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On July 14, 1861, a *meteorite* fell at Dhurmsalla in India, accompanied by flames and loud explosions. The most curious fact connected with it was, that the fragments picked up at once after they fell were so cold as to benumb the fingers while the surface appeared as if it had been in a state of fusion just before falling. If so, the rapid ignition of the surface did not reach the interior; which thus brought to human senses the first recorded recognition of the intense cold of the interplanetary regions.

The great comet of 1861 made its appearance in the northern hemisphere very suddenly. It was seen at the Sidney Observatory in Australia on May 13. On June 29, it was not detected at the Cambridge Observatory, but on the 30th it was the most conspicuous object in the north-western sky. On the second of July the head appeared to the naked eye brighter than a star of the first magnitude, nearly equal to the great comet of 1858 about October 1. Its train was a narrow straight ray, 15,000,000 of miles long, and extending over 106° ; while the great comet of Donati was above 50,000,000 of miles long, though it covered only about 60° —the apparent length of a comet's train depending not only on its real length, but on its distance, its position as to the line of view, and the clearness of the atmosphere. The comet of 1861 moved in a parabolic orbit, and probably never before visited our solar system, and never will return. All attempts to photograph it were in vain.

Mr. Bond of the Cambridge Observatory, by careful experiments, finds the average light of the Sun, compared with that of the mean full Moon, to be as 470,980 to one. Compared with Venus at its greatest brilliancy, as 622,600,000 to one. To Jupiter, as 3,028,350,000 to one. To Sirius, as 5,970,500,000 to one. To Alpha Centauri, as 18,924,000,000 to one. To Rigel, as 25,586,500,000 to one. And to Spica Virginis, as 52,001,000,000 to one. Thus the light of Venus is nearly five times that of Jupiter, and that of the Moon 6,430 times.

The star *Sirius* has long been known to have certain slight anomalies in its motion, which Mr. Safford of Cambridge has studied with care. He thinks the cause can only be explained on the hypothesis that *Sirius* revolves around an invisible companion at a very considerable distance, in a period probably of about fifty years.

Messrs. Bout and Mannheim, sent by the French government to Algeria, to observe the great solar eclipse of July, 1860, both saw a luminous point on the Moon's disc, one with a telescope and the other with the naked eye. This phenomenon was observed in 1778 by Admiral Ulloa and his companions, and in 1842 by M. Valz at Marseilles; but has hitherto been considered an illusion. Mannheim, however, saw it so unmistakably as to have no doubt of its reality. Should it prove to have been seen always at the same spot, the only explanation would be that the Moon is pierced with a hole.

Diligent search was made at Cambridge Observatory, from January 18 to April 12, for the small planet announced by Dr. Lescarbault between Mercury and the Sun; the search being made at intervals of one or two hours, from 9 A. M. to 5 P. M. No testimony, however, has been gained, either there or elsewhere, in confirmation of Dr. Lescarbault's observations.

VITALITY OF TOADS.—Experiments made by M. Legrip in France, show that toads placed on tiles covered with pots, sixteen inches under ground, lived without food an average of 23 months; while of those wholly embedded in a mixture of plaster, some were found living at the end of 28 months. M. Legrip states that toads are not only inoffensive, but exceedingly useful in gardens, destroying great quantities of worms, caterpillars, and insects great and small, and thus protecting many useful and ornamental plants.

PURE WATER, as it exists in nature, is not colorless, but of a blue tint, which is not altered by the mineral ingredients in solution. Any variation from the blue tint in pure water is caused by ulmic acids, held in solution by alkalies.

THE
ILLUSTRATED
FAMILY CHRISTIAN ALMANAC
FOR
THE UNITED STATES,
FOR THE
YEAR OF OUR LORD AND SAVIOUR JESUS CHRIST
1863,

BEING THE THIRD AFTER BISSEXTILE, AND UNTIL JULY 4TH, THE 87TH YEAR
OF THE INDEPENDENCE OF THE UNITED STATES.

CALCULATED FOR
BOSTON, NEW YORK, WASHINGTON, AND CHARLESTON,
AND
FOUR PARALLELS OF LATITUDE.

ADAPTED FOR USE THROUGHOUT THE COUNTRY.

WITH
VALUABLE SCIENTIFIC AND USEFUL INFORMATION.

ASTRONOMICAL CALCULATIONS, IN EQUAL OR CLOCK TIME,

BY SAMUEL H. WRIGHT,
DUNDEE, YATES COUNTY, NEW YORK.

BOSTON, Lat. $42^{\circ} 21' N.$; Long. $71^{\circ} 4' W.$
NEW YORK, Lat. $40^{\circ} 42' 40'' N.$; Long. $74^{\circ} 1' W.$
WASHINGTON, Lat. $38^{\circ} 53' N.$; Long. $77^{\circ} W.$
CHARLESTON, Lat. $32^{\circ} 47' N.$; Long. $79^{\circ} 57' W.$

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ECLIPSES FOR THE YEAR 1863.

There will be four Eclipses this year, as follows :

I. A partial Eclipse of the Sun, May 17. Invisible in the United States, except in California and Oregon. At San Francisco it begins at 6h. 57m., morning, and ends at 7h. 53m.

II. A total Eclipse of the Moon, June 1, in the evening. Visible in part of United States, but generally as a *partial eclipse*. The shadow will appear upon the Moon at the time it rises, covering about two-thirds of its surface, and passing off in about 45 minutes.

III. An annular Eclipse of the Sun, November 11. Invisible in America.

IV. A partial Eclipse of the Moon in the morning of November 25. Dig. 11.47. Visible generally throughout the United States. See the following table.

TABLE OF THE LUNAR ECLIPSE OF NOVEMBER 25.

PLACES.	Begins.	Largest.	Ends.	PLACES.	Begins.	Largest.	Ends.
	H. M.	H. M.	H. M.		H. M.	H. M.	H. M.
Augusta, Me.	2 36	4 17	5 57	Charleston	1 55	3 36	5 17
Portland	2 34	4 15	5 55	Savannah	1 51	3 32	5 13
Boston	2 31	4 12	5 52	Havana, Cuba	1 46	3 27	5 08
Lowell	2 30	4 11	5 51	Detroit	1 43	3 24	5 05
Concord	2 29	4 10	5 50	Cincinnati	1 38	3 19	4 59
Montpelier	2 25	4 6	5 46	Lansing	1 38	3 19	4 59
Hartford	2 25	4 6	5 46	Lexington	1 38	3 19	4 59
New Haven	2 23	4 4	5 44	Tallahassee	1 37	3 18	4 58
Albany	2 20	4 1	5 41	Louisville	1 33	3 14	4 54
New York	2 19	4 0	5 40	Indianapolis	1 31	3 12	4 52
Trenton	2 17	3 58	5 38	Nashville	1 28	3 9	4 49
Philadelphia	2 15	3 56	5 36	Chicago	1 25	3 6	4 46
Baltimore	2 9	3 50	5 30	Mobile	1 22	3 3	4 43
Auburn	2 9	3 50	5 30	Madison	1 17	2 58	4 38
Harrisburg	2 8	3 49	5 29	New Orleans	1 15	2 56	4 36
Washington	2 7	3 48	5 28	St. Louis	1 13	2 54	4 34
Richmond	2 5	3 46	5 26	Iowa City	1 8	2 49	4 29
Rochester	2 4	3 45	5 25	Austin	0 44	2 25	4 05
Buffalo	2 0	3 41	5 21	Oregon City	Eve. 24th. *11 21	0 52	2 33
Raleigh	2 0	3 41	5 21	San Francisco	*11 6	0 46	2 27
Pittsburg	1 55	3 36	5 16	Astoria	*11 10	0 51	2 22

CHRONOLOGICAL CYCLES.

Dominical Letter, D; Golden Number, 2; Jewish Lunar Cycle, 18; Epact, 11; Solar Cycle, 24; Roman Indiction, 6; Dionysian Period, 192; Julian Period, 6,576.

MORNING AND EVENING STARS.

Venus will be Evening Star until September 28, then Morning Star the rest of the year. Mars will be Evening Star until October 2, then Morning Star the rest of the year. Jupiter will be Morning Star until April 12, Evening Star until October 31, then Morning Star the rest of the year. Saturn will be Morning Star until March 23, Evening Star until October 2, then Morning Star the rest of the year.

MERCURY.

This planet will be visible in the west soon after sunset, about January 16, and September 12; also in the morning in the east just before sunrise about March 11, July 9, and October 29.

VENUS.

This planet will be brightest on the 22d of August, being at that time an Evening Star in the west; and again, while Morning Star, on the 5th of November.

EQUINOXES AND SOLSTICES.

vernal Equinox . . .	March 20	9	22	ev.	Autumnal Equinox . .	Sept. 23	8	8	mo.
summer Solstice . .	June 21	5	54	ev.	Winter Solstice	Dec. 22	1	58	mo.

PHENOMENA FOR 1863.

JANUARY 1, ☉ perigee; 2, ☽ highest; 3, ☽ apogee; 16, ♄ ☐ ☉, ☽ lowest; 18, ☽ perigee; 25, ☿ gr. elong. E.; 26, ♂ ☐ ☉; 29, ☽ highest; 30, ☽ apogee. FEB. 2, ☿ ♀; 12, ☽ lowest; 15, ☽ perigee; 27, ☽ apogee. MARCH 8, ☿ gr. elong. W.; 2, ☽ lowest; 14, ☽ perigee; 23, ♄ ☿ ☉; 25, ☽ highest; 27, ☽ apogee. APRIL 8, ☽ perigee and lowest; 12, ♄ ☿ ☉; 21, ☽ highest. MAY 5, ♀ ☿ ♂, ☽ lowest; 6, ☽ perigee; 18, ☽ highest; 19, ☿ gr. elong. E.; 21, ☽ apogee; 31, ☽ lowest. JUNE 2, ☿ ☿ ♂; 3, ☽ perigee; 15, ☽ highest; 18, ☽ apogee; 20, ♄ ☐ ☉; 29, ☽ lowest. JULY 1, ☽ perigee; 3, ☉ apogee; 6, ☿ gr. elong. W.; 11, ♄ ☐ ☉; 12, ☽ highest; 15, ☽ apogee; 20, ♀ gr. elong. E.; 26, ☽ lowest; 29, ☽ perigee. AUG. 8, ☽ highest; 11, ☽ apogee; 17, ♀ ☿ ♄; 23, ☽ lowest, ☽ perigee. SEPT. 5, ☽ highest; 8, ☿ ☿, ☽ apogee; 15, ☿ gr. elong. E.; 17, ♀ ☿ ♄; 19, ☽ lowest; 24, ☽ perigee. OCT. 2, ☽ highest; 5, ☽ apogee; 16, ☽ lowest; 20, ☽ perigee; 26, ☿ gr. elong. W.; 29, ☽ highest. NOV. 2, ☽ apogee; 9, ♂ ☿ ☿; 13, ☿ ☿ ♄, ☽ lowest; 14, ☽ perigee; 21, ☿ ☿ ♂; 23, ♀ ☿ ♄; 26, ☽ highest; 30, ☽ apogee. DEC. 9, ♀ gr. elong. W.; 10, ☽ lowest; 12, ☽ perigee; 23, ☽ highest; 26, ♀ ☿ ♄; 28, ☽ apogee; 31, ☉ in perigee.

CHARACTERS.

☉ ☉ Sun; ☽ Moon; ☿ Mercurÿ; ♀ Venus; ⊕ Earth; ♂ Mars; ♄ Jupiter; ♄ Saturn; ♅ Uranus; ☿ same longitude, or near each other; ☐ 90° apart; ☿ opposition, or 180° apart.

SIGNS OF THE ZODIAC.—♈ Aries; ♉ Taurus; ♊ Gemini; ♋ Cancer; ♌ Leo; ♍ Virgo; ♎ Libra; ♏ Scorpio; ♐ Sagittarius; ♑ Capricorn; ♒ Aquarius; ♓ Pisces.

ASPECTS AND NODES.—☿ Conjunction; * Sextile, 60 degrees; ☐ Quartile, 90 degrees; △ Trine, 120 degrees; ☿ Opposition; ♍ Ascending Node; ♎ Descending Node.

DURATION OF THE SEASONS, ETC.

	D.	H.	M.		D.	H.	M.
Year in Winter Signs	89	1	10	Tropical Year	365	5	46
Year in Spring Signs	92	20	32	Sun north of Equator	186	10	46
Year in Summer Signs	93	14	14	Sun south of Equator	178	19	0
Year in Autumnal Signs	89	17	50	Difference	7	15	46

DIFFERENCE OF TIME.—When it is 12 o'clock at noon in New York city, it is afternoon at all places west of New York, and afternoon with all places east; as in this table:

	A. M.		P. M.
Philadelphia	11 55 52	Lubec, Me.	12 28 06
Buffalo, N. Y.	11 56 32	St. Helena	4 33 40
Charleston, S. C.	11 36 40	London, Eng.	4 55 42
Cincinnati, Ohio	11 16 18	Rome, Italy	5 46 03
New Orleans, La.	10 55 40	Jerusalem	7 17 24
San Francisco, Cal.	8 46 40	Calcutta	10 49 56
Honolulu, Sandwich Islands	6 24 08	Montreal	12 01 44

NOTE.—The Sun's declination in the tables for each month, marks the instant when its centre is on the meridian of Washington.

TRUE TIME.

Two kinds of time are used in Almanacs; *clock* or *mean-time* in some, and *apparent* or *sun-time* in others. *Clock-time* is always *right*, while *sun-time* varies every day. People generally suppose it is twelve o'clock when the sun is due south, or at a properly made noon-mark. But this is a mistake. The sun is seldom on the meridian at *twelve o'clock*; indeed, this is the case only on four days the year: namely, April 15, June 15, September 1, and December 24. In this Almanac, as in most other Almanacs, the time used is *clock-time*. The time when the sun is on the meridian or at the noon-mark, is also given for the 1st, 9th, 17th, and 25th days of each month, at the right hand of the top of each calendar page. This affords a ready means of obtaining correct time and for setting a clock by using a noon-mark, adding or subtracting as the sun is slow or fast.

Old-fashioned Almanacs, which use *apparent* time, give the rising and setting of the sun's *centre*; and make no allowance for the effect of the refraction of the sun's rays by the atmosphere. The more modern and improved Almanacs, which use *clock-time*, give the rising and setting of the sun's *upper limb*, and duly allow for refraction.

TEN additional asteroids were discovered in 1861, making the whole number the close of the year seventy-two.

Leverrier the French astronomer, from studying the irregularities of Mercury and Mars, with other data, concludes that there is a belt of minute asteroids revolving within the orbit of Mercury, whose mass is comparable to that of Mercury; also a belt of asteroids at the distance of the Earth from the Sun, whose mass is not greater than a tenth part of the Earth's; and that the total mass of asteroids between Mars and Jupiter is not greater than the third part of the mass of the Earth. The second of these belts, moving in a different plane from the Earth, and intersecting it at most only twice a year, may give us some clue to the origin of the aerolites. These falling masses are now generally believed to be of the nature of planetary bodies, and may be presumed to be stragglers from such an elliptical belt of stones revolving around the Sun, and coming within the Earth's reach.

The emperor of Russia has placed \$25,000 in the hands of Struvé, the celebrated astronomer, to build an observatory on the summit of mount Ararat. It is hoped that under the remarkably clear sky of Armenia important astronomical results will be obtained.

A British and a French commission are now employed in connecting the triangulation of England and the continent, with a view to the final substitution of a single meridional line for all countries, instead of those now in use—Greenwich, Paris, and St. Petersburg.

Uriah A. Boyden, Esq., has deposited with the Franklin Institute of Philadelphia \$1,000, to be awarded as a premium to "any resident of North America who shall determine by experiment whether all rays of light, and other physical rays are or are not transmitted with the same velocity."

To find the time of high-water at any of the following places, *add to or subtract from* the time of high-water at New York in the calendar pages, the time affixed in this table.

	H. M.		H. M.		H. M.
Albany-----Add	6 34	Hellgate-----Add	1 41	Portland-----Add	1
Annapolis, Md.----Sub.	1 51	Marblehead-----Add	1 49	Portsmouth-----Add	2
Annapolis, N. S.---Add	1 49	Machias-----Add	1 54	Providence-----Sub.	0
Amboy-----Sub.	0 39	Mobile Point-----Add	1 54	Quebec-----Add	8
Baltimore-----Add	5 7	New Bedford-----Sub.	1 40	Richmond-----Sub.	2
Bridgeport-----Add	2 0	New Haven-----Add	2 4	Salem-----Add	2
Cape Split-----Add	2 0	New London-----Sub.	0 21	Sandy Hook, N. J.---Sub.	2
Eastport-----Add	2 9	Newport-----Sub.	1 55	St. John, N. B.-----Add	2
Halifax, N. S.----Sub.	2 15	Norfolk-----Sub.	0 41	Sunbury-----Add	0
Holmes' Hole-----Add	1 4	Plymouth-----Add	2 19	Windsor-----Add	2

1st MONTH.

JANUARY, 1863.

31 DAYS.

MOON'S PHASES.		BOSTON.		NEW YORK.		WASH'TON.		CHARLES'N.		Sun on Merid. or noon mark.			
	D.	H.	M.	H.	M.	H.	M.	H.	M.	P.	H.	M.	A.
Full Moon	4	10	48 ev.	10	36 ev.	10	24 ev.	10	12 ev.	1	12	3	51
Third Quarter	12	7	23 ev.	7	11 ev.	6	59 ev.	6	47 ev.	9	12	7	24
New Moon	19	11	18 mo.	11	6 mo.	10	54 mo.	10	42 mo.	17	12	10	23
First Quarter	26	0	10 mo.	11	58 mo.	11	46 mo.	11	34 mo.	25	12	12	51

CALENDAR FOR WASHINGTON: Mary'd, Virg'a, Ken'y, Missouri, and California.												CALENDAR FOR BOSTON: New Eng- land, New York State, Michigan, Wisconsin, Iowa, and Oregon.												CALENDAR FOR NEW YORK CITY: N. York City, Phila- delphia, Conn., New- Jersey, Penn'a, Ohio, Indiana, and Illinois.												CALENDAR FOR CHARLES'N: Carolina, Tennessee, Geo., Alabama, Missis- sippi, and Louisiana.											
SUN RISES.		SUN SETS.		H. M.		H. M.		SUN RISES.		SUN SETS.		H. M.		H. M.		SUN RISES.		SUN SETS.		H. M.		H. M.		SUN RISES.		SUN SETS.		H. M.		H. M.																	
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7 11	5 14	5 13	6 2	7 11	5 14	5 13	6 2	7 11	5 14	5 13	6 2	7 11	5 14	5 13	6 2	7 11	5 14	5 13	6 2	7 11	5 14	5 13	6 2	7 11	5 14	5 13	6 2	7 11	5 14	5 13	6 2																
7 10	5 15	5 13	6 2	7 10	5 15	5 13	6 2	7 10	5 15	5 13	6 2	7 10	5 15	5 13	6 2	7 10	5 15	5 13	6 2	7 10	5 15	5 13	6 2	7 10	5 15	5 13	6 2	7 10	5 15	5 13	6 2																
7 10	5 16	5 13	6 2	7 10	5 16	5 13	6 2	7 10	5 16	5 13	6 2	7 10	5 16	5 13	6 2	7 10	5 16	5 13	6 2	7 10	5 16	5 13	6 2	7 10	5 16	5 13	6 2	7 10	5 16	5 13	6 2																
7 9	5 17	5 13	6 2	7 9	5 17	5 13	6 2	7 9	5 17	5 13	6 2	7 9	5 17	5 13	6 2	7 9	5 17	5 13	6 2	7 9	5 17	5 13	6 2	7 9	5 17	5 13	6 2	7 9	5 17	5 13	6 2																
7 9	5 18	5 13	6 2	7 9	5 18	5 13	6 2	7 9	5 18	5 13	6 2	7 9	5 18	5 13	6 2	7 9	5 18	5 13	6 2	7 9	5 18	5 13	6 2	7 9	5 18	5 13	6 2	7 9	5 18	5 13	6 2																
7 8	5 19	5 13	6 2	7 8	5 19	5 13	6 2	7 8	5 19	5 13	6 2	7 8	5 19	5 13	6 2	7 8	5 19	5 13	6 2	7 8	5 19	5 13	6 2	7 8	5 19	5 13	6 2	7 8	5 19	5 13	6 2																
7 8	5 20	5 13	6 2	7 8	5 20	5 13	6 2	7 8	5 20	5 13	6 2	7 8	5 20	5 13	6 2	7 8	5 20	5 13	6 2	7 8	5 20	5 13	6 2	7 8	5 20	5 13	6 2	7 8	5 20	5 13	6 2																
7 7	5 21	5 13	6 2	7 7	5 21	5 13	6 2	7 7	5 21	5 13	6 2	7 7	5 21	5 13	6 2	7 7	5 21	5 13	6 2	7 7	5 21	5 13	6 2	7 7	5 21	5 13	6 2	7 7	5 21	5 13	6 2																
7 7	5 22	5 13	6 2	7 7	5 22	5 13	6 2	7 7	5 22	5 13	6 2	7 7	5 22	5 13	6 2	7 7	5 22	5 13	6 2	7 7	5 22	5 13	6 2	7 7	5 22	5 13	6 2	7 7	5 22	5 13	6 2																
7 6	5 23	5 13	6 2	7 6	5 23	5 13	6 2	7 6	5 23	5 13	6 2	7 6	5 23	5 13	6 2	7 6	5 23	5 13	6 2	7 6	5 23	5 13	6 2	7 6	5 23	5 13	6 2	7 6	5 23	5 13	6 2																
7 6	5 24	5 13	6 2	7 6	5 24	5 13	6 2	7 6	5 24	5 13	6 2	7 6	5 24	5 13	6 2	7 6	5 24	5 13	6 2	7 6	5 24	5 13	6 2	7 6	5 24	5 13	6 2	7 6	5 24	5 13	6 2																
7 5	5 25	5 13	6 2	7 5	5 25	5 13	6 2	7 5	5 25	5 13	6 2	7 5	5 25	5 13	6 2	7 5	5 25	5 13	6 2	7 5	5 25	5 13	6 2	7 5	5 25	5 13	6 2	7 5	5 25	5 13	6 2																
7 5	5 26	5 13	6 2	7 5	5 26	5 13	6 2	7 5	5 26	5 13	6 2	7 5	5 26	5 13	6 2	7 5	5 26	5 13	6 2	7 5	5 26	5 13	6 2	7 5	5 26	5 13	6 2	7 5	5 26	5 13	6 2																
7 4	5 27	5 13	6 2	7 4	5 27	5 13	6 2	7 4	5 27	5 13	6 2	7 4	5 27	5 13	6 2	7 4	5 27	5 13	6 2	7 4	5 27	5 13	6 2	7 4	5 27	5 13	6 2	7 4	5 27	5 13	6 2																
7 4	5 28	5 13	6 2	7 4	5 28	5 13	6 2	7 4	5 28	5 13	6 2	7 4	5 28	5 13	6 2	7 4	5 28	5 13	6 2	7 4	5 28	5 13	6 2	7 4	5 28	5 13	6 2	7 4	5 28	5 13	6 2																
7 3	5 29	5 13	6 2	7 3	5 29	5 13	6 2	7 3	5 29	5 13	6 2	7 3	5 29	5 13	6 2	7 3	5 29	5 13	6 2	7 3	5 29	5 13	6 2	7 3	5 29	5 13	6 2	7 3	5 29	5 13	6 2																
7 3	5 30	5 13																																													

2d MONTH.

FEBRUARY, 1863.

28 DAYS.

MOON'S PHASES.				BOSTON.	NEW YORK.	WASH'TON.	CHARLES'N.	Sun on Merid or noon mark			
	D.	H.	M.	H.	M.	H.	M.	D.	H.	M.	A.
Full Moon.....	3	5	41 ev.	5	29 ev.	5	17 ev.	5	5 ev.	1	12 13 5
Third Quarter....	11	6	3 mo.	5	51 mo.	5	39 mo.	5	27 mo.	9	12 14 3
New Moon.....	17	10	22 ev.	10	10 ev.	9	58 ev.	9	47 ev.	17	12 14 1
First Quarter....	25	7	50 mo.	7	38 mo.	7	26 mo.	7	14 mo.	25	12 13 18

CALENDAR FOR CHARLES'NORTH Carolina, Tennessee, Geo., Alabama, Missis- sippi, and Louisiana.											
SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.	SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.	SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.
H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
6 56	5 32	5 40	5 38	6 55	5 33	5 51	6 22	6 54	5 35	6 33	7 40
6 55	5 33	5 51	6 22	6 54	5 35	6 33	7 40	6 53	5 36	7 30	8 21
6 54	5 35	6 33	7 40	6 52	5 37	8 27	8 55	6 51	5 38	9 26	9 34
6 53	5 36	7 30	8 21	6 50	5 39	10 26	10 13	6 49	5 40	11 29	11 0
6 48	5 41	morn.	11 52	6 47	5 42	0 34	ev. 53	6 46	5 43	1 39	2 2
6 45	5 44	2 41	3 14	6 44	5 45	4 24	3 14	6 43	5 46	4 32	5 28
6 42	5 47	5 18	6 23	6 41	5 47	sets.	7 10	6 40	5 48	6 45	7 55
6 39	5 49	7 49	8 38	6 38	5 50	8 52	9 23	6 37	5 51	9 51	10 45
6 36	5 51	10 51	10 45	6 35	5 52	11 48	11 34	6 34	5 53	morn.	morn.
6 33	5 54	0 43	0 27	6 32	5 55	1 24	2 21	6 31	5 56	2 22	3 0
6 29	5 58	3 0	3 51	6 26	5 59	3 51	4 38	6 23	5 59	4 38	5 28

CALENDAR FOR WASHINGTON; Mary'd, Virg'a, Ken'y, Missour'i, and California.											
SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.	SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.	SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.
H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
7 6	5 22	5 25	5 25	7 5	5 23	6 3	6 3	7 4	5 24	rises.	6 28
7 5	5 23	6 3	6 3	7 4	5 24	rises.	6 28	7 3	5 25	6 28	7 29
7 4	5 24	rises.	6 28	7 3	5 25	6 28	7 29	7 2	5 26	7 29	8 28
7 3	5 25	6 28	7 29	7 2	5 26	7 29	8 28	7 1	5 27	8 28	9 31
7 2	5 26	7 29	8 28	7 0	5 28	9 31	10 34	6 59	5 29	10 34	11 40
6 58	5 30	11 40	12 43	6 57	5 31	morn.	11 52	6 56	5 32	0 48	1 53
6 56	5 32	0 48	1 53	6 55	5 34	2 58	3 53	6 54	5 35	2 58	3 53
6 53	5 36	3 53	4 58	6 51	5 37	4 45	5 29	6 50	5 38	5 29	6 34
6 48	5 41	5 29	6 34	6 47	5 44	6 44	7 49	6 45	5 45	7 51	8 56
6 45	5 47	6 44	7 49	6 42	5 49	7 51	8 56	6 41	5 50	8 52	9 57
6 38	5 50	8 52	9 57	6 37	5 51	9 51	10 45	6 36	5 52	10 45	11 50
6 35	5 53	10 45	11 50	6 34	5 56	11 50	12 55	6 31	5 59	12 55	1 59
6 29	5 58	1 59	3 0	6 26	5 59	3 0	4 0	6 23	5 59	4 0	5 0

Day of Month.	Day of Week.
1	D
2	M
3	Tu
4	W
5	Th
6	Fr
7	Sa
8	D
9	M
10	Tu
11	W
12	Th
13	Fr
14	Sa
15	D
16	M
17	Tu
18	W
19	Th
20	Fr
21	Sa
22	D
23	M
24	Tu
25	W
26	Th
27	Fr
28	Sa

CALENDAR FOR N. YORK CITY; PHIL- adelphia, Conn., New- Jersey, Penn'a, Ohio, Indiana, and Illinois.											
SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.	SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.	SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.
H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
7 10	5 18	5 29	6 38	7 9	5 19	6 7	7 22	7 8	5 20	6 27	7 36
7 9	5 19	6 7	7 22	7 8	5 21	6 27	7 36	7 7	5 22	6 28	7 37
7 8	5 20	rises.	8 2	7 6	5 23	6 29	7 38	7 6	5 24	6 30	7 39
7 7	5 21	6 27	7 36	7 5	5 25	6 31	7 40	7 5	5 26	6 32	7 41
7 6	5 22	6 28	7 37	7 4	5 27	6 33	7 42	7 4	5 28	6 34	7 43
7 5	5 23	6 29	7 38	7 3	5 29	6 35	7 44	7 3	5 30	6 36	7 45
7 4	5 24	6 30	7 39	7 2	5 31	6 37	7 46	7 2	5 32	6 38	7 47
7 3	5 25	6 31	7 40	7 1	5 33	6 39	7 48	7 1	5 34	6 40	7 49
7 2	5 26	6 32	7 41	7 0	5 35	6 41	7 50	7 0	5 36	6 42	7 51
7 1	5 27	6 33	7 42	6 59	5 38	6 43	7 53	6 58	5 41	6 45	7 54
6 58	5 40	6 44	7 55	6 57	5 43	6 47	7 58	6 56	5 46	6 49	7 59
6 55	5 46	6 50	8 0	6 54	5 49	6 54	8 0	6 52	5 51	6 56	8 0
6 52	5 52	6 56	8 0	6 51	5 54	6 59	8 0	6 49	5 59	6 59	8 0
6 49	5 59	6 59	8 0	6 46	6 00	6 54	8 0	6 44	6 06	6 54	8 0
6 46	6 06	6 56	8 0	6 41	6 11	6 49	8 0	6 39	6 12	6 49	8 0
6 43	6 12	6 53	8 0	6 38	6 17	6 46	8 0	6 36	6 18	6 46	8 0
6 40	6 18	6 50	8 0	6 35	6 23	6 43	8 0	6 33	6 24	6 43	8 0
6 37	6 24	6 47	8 0	6 30	6 30	6 38	8 0	6 28	6 30	6 38	8 0
6 34	6 30	6 35	8 0	6 27	6 36	6 35	8 0	6 25	6 36	6 35	8 0
6 31	6 36	6 32	8 0	6 24	6 42	6 32	8 0	6 22	6 42	6 32	8 0
6 28	6 42	6 28	8 0	6 21	6 48	6 29	8 0	6 19	6 48	6 29	8 0
6 25	6 48	6 25	8 0	6 16	6 54	6 24	8 0	6 14	6 54	6 24	8 0
6 22	6 54	6 22	8 0	6 13	7 00	6 21	8 0	6 11	7 00	6 21	8 0
6 19	7 00	6 19	8 0	6 10	7 06	6 18	8 0	6 08	7 06	6 18	8 0
6 16	7 06	6 16	8 0	6 07	7 12	6 15	8 0	6 05	7 12	6 15	8 0
6 13	7 12	6 13	8 0	6 04	7 18	6 12	8 0	6 02	7 18	6 12	8 0
6 10	7 18	6 10	8 0	6 01	7 24	6 09	8 0	5 59	7 24	6 09	8 0
6 07	7 24	6 07	8 0	5 56	7 30	6 06	8 0	5 56	7 30	6 06	8 0
6 04	7 30	6 04	8 0	5 53	7 36	6 03	8 0	5 53	7 36	6 03	8 0
6 01	7 36	6 01	8 0	5 50	7 42	6 00	8 0	5 50	7 42	6 00	8 0
5 58	7 42	5 58	8 0	5 47	7 48	5 57	8 0	5 47	7 48	5 57	8 0
5 55	7 48	5 55	8 0	5 44	7 54	5 54	8 0	5 44	7 54	5 54	8 0
5 52	7 54	5 52	8 0	5 41	8 00	5 51	8 0	5 41	8 00	5 51	8 0
5 49	8 00	5 49	8 0	5 38	8 06	5 48	8 0	5 38	8 06	5 48	8 0
5 46	8 06	5 46	8 0	5 35	8 12	5 45	8 0	5 35	8 12	5 45	8 0
5 43	8 12	5 43	8 0	5 32	8 18	5 42	8 0	5 32	8 18	5 42	8 0
5 40	8 18	5 40	8 0	5 29	8 24	5 39	8 0	5 29	8 24	5 39	8 0
5 37	8 24	5 37	8 0	5 26	8 30	5 36	8 0	5 26	8 30	5 36	8 0
5 34	8 30	5 34	8 0	5 23	8 36	5 33	8 0	5 23	8 36	5 33	8 0
5 31	8 36	5 31	8 0	5 20	8 42	5 30	8 0	5 20	8 42	5 30	8 0
5 28	8 42	5 28	8 0	5 17	8 48	5 27	8 0	5 17	8 48	5 27	8 0
5 25	8 48	5 25	8 0	5 14	8 54	5 24	8 0	5 14	8 54	5 24	8 0
5 22	8 54	5 22	8 0	5 11	9 00	5 21	8 0	5 11	9 00	5 21	8 0
5 19	9 00	5 19	8 0	5 08	9 06	5 18	8 0	5 08	9 06	5 18	8 0
5 16	9 06	5 16	8 0	5 05	9 12	5 15	8 0	5 05	9 12	5 15	8 0
5 13	9 12	5 13	8 0	5 02	9 18	5 12	8 0	5 02	9 18	5 12	8 0
5 10	9 18	5 10	8 0	4 59	9 24	5 09	8 0	4 59	9 24	5 09	8 0
5 07	9 24	5 07	8 0	4 56	9 30	5 06	8 0	4 56	9 30	5 06	8 0
5 04	9 30	5 04	8 0	4 53	9 36	5 03	8 0	4 53	9 36	5 03	8 0
5 01	9 36	5 01	8 0	4 50	9 42	5 00	8 0	4 50	9 42	5 00	8 0
4 58	9 42	4 58	8 0	4 47	9 48	4 57	8 0	4 47	9 48	4 57	8 0
4 55	9 48	4 55	8 0	4 44	9 54	4 54	8 0	4 44	9 54	4 54	8 0
4 52	9 54	4 52	8 0	4 41	10 00	4 51	8 0	4 41	10 00	4 51	8 0
4 49	10 00	4 49	8 0	4 38	10 06	4 48	8 0	4 38	10 06	4 48	8 0
4 46	10 06	4 46	8 0	4 35	10 12	4 45	8 0	4 35	10 12	4 45	8 0
4 43	10 12	4 43	8 0	4 32	10 18	4 42	8 0	4 32	10 18	4 42	8 0
4 40	10 18	4 40	8 0	4 29	10 24	4 39	8 0	4 29	10 24	4 39	8 0
4 37	10 24	4 37	8 0	4 26	10 30	4 36	8 0	4 26	10 30	4 36	8 0
4 34	10 30	4 34	8 0	4 23	10 36	4 33	8 0	4 23	10 36	4 33	8 0
4 31	10 36	4 31	8 0	4 20	10 42	4 30	8 0	4 20	10 42	4 30	8 0
4 28	10 42	4 28	8 0	4 17	10 48	4 27	8 0	4 17	10 48	4 27	8 0
4 25	10 48	4 25	8 0	4 14	10 54	4 24	8 0	4 14	10 54	4 24	8 0
4 22	10 54	4 22	8 0	4 11	11 00	4 21	8 0	4 11	11 00	4 21	8 0
4 19	11 00	4 19	8 0	4 08	11 06	4 18	8 0	4 08	11 06	4 18	8 0

3d MONTH.

MARCH, 1863.

31 DAYS.

MOON'S PHASES.		BOSTON.		NEW YORK.		WASH'TON.		CHARLES N.		Sun on Merid. or noon mark.			
	D.	H.	M.	H.	M.	H.	M.	H.	M.	D.	H.	M.	S.
Full Moon	5	10	2 mo.	9	50 mo.	9	33 mo.	9	16 mo.	1	12	12	35
Third Quarter	12	2	12 ev.	2	0 ev.	1	48 ev.	1	36 ev.	9	12	10	44
New Moon	19	9	53 mo.	9	41 mo.	9	29 mo.	9	17 mo.	17	12	8	32
First Quarter	27	4	13 mo.	4	1 mo.	3	49 mo.	3	38 mo.	25	12	6	7

CALENDAR FOR CHARLES N. NORTH Carolina, Tennessee, Geo., Alabama, Missis- sippi, and Louisiana.											
SUN RISES.		SUN SETS.		MOON SETS.		H. W. CR. TON					
H.	M.	H.	M.	H.	M.	H.	M.				
6	28	5	57	3	48	4	14				
6	26	5	58	4	24	5	5				
6	26	5	59	5	0	5	51				
6	25	5	59	5	33	6	33				
6	24	6	0	ris.		7	10				
6	23	6	1	7	19	7	49				
6	22	6	1	8	21	8	31				
6	21	6	2	9	24	9	12				
6	20	6	3	10	28	9	52				
6	18	6	4	11	31	10	43				
6	17	6	4	morn.		11	39				
6	16	6	5	0	34	ev.	43				
6	14	6	6	1	32	1	53				
6	13	6	7	2	34	3	3				
6	11	6	8	3	12	4	8				
6	10	6	9	3	53	5	8				
6	9	6	10	4	33	6	0				
6	8	6	11	5	9	6	47				
6	6	6	11	sets.		7	26				
6	5	6	12	7	35	8	9				
6	3	6	13	8	35	8	51				
6	2	6	14	9	33	9	32				
6	1	6	14	10	30	10	15				
5	59	6	15	11	25	11	4				
5	58	6	16	morn.		11	54				
5	56	6	16	0	14	morn.					
5	55	6	17	1	0	0	48				
5	54	6	17	1	43	1	44				
5	53	6	18	2	21	2	41				
5	52	6	18	2	57	3	34				
5	51	6	19	3	31	4	27				

CALENDAR FOR		Day of Week.		Day of Month.		Sun Rises.		Sun Sets.		Moon Rises.		Moon Sets.	
						H. M.		H. M.		H. M.		H. M.	
WASHINGTON, Mary'd, Virg'a, Ken'y, Missourl, and California.		D	1	D	1	6	33	5	52	4	0	4	0
	M	2	M	2	M	6	31	5	53	4	35	4	35
	Tu	3	Tu	3	Tu	6	30	5	54	5	7	5	7
	W	4	W	4	W	6	29	5	55	5	38	5	38
	Th	5	Th	5	Th	6	27	5	56	ris.		ris.	
	Fr	6	Fr	6	Fr	6	26	5	57	7	23	7	23
	Sa	7	Sa	7	Sa	6	25	5	58	8	28	8	28
	D	8	D	8	D	6	24	5	59	9	34	9	34
	M	9	M	9	M	6	22	6	0	10	40	10	40
	Tu	10	Tu	10	Tu	6	20	6	1	11	46	11	46
	W	11	W	11	W	6	18	6	2	morn.		morn.	
	Th	12	Th	12	Th	6	17	6	3	0	50	0	50
	Fr	13	Fr	13	Fr	6	15	6	4	1	48	1	48
	Sa	14	Sa	14	Sa	6	14	6	5	2	48	2	48
	D	15	D	15	D	6	13	6	6	3	23	3	23
	M	16	M	16	M	6	11	6	7	4	2	4	2
	Tu	17	Tu	17	Tu	6	10	6	8	4	37	4	37
	W	18	W	18	W	6	8	6	9	5	10	5	10
	Th	19	Th	19	Th	6	6	6	10	sets.		sets.	
	Fr	20	Fr	20	Fr	6	5	6	11	7	42	7	42
	Sa	21	Sa	21	Sa	6	3	6	12	8	45	8	45
	D	22	D	22	D	6	2	6	13	9	46	9	46
	M	23	M	23	M	6	1	6	14	10	45	10	45
	Tu	24	Tu	24	Tu	5	59	6	15	11	41	11	41
	W	25	W	25	W	5	57	6	16	morn.		morn.	
	Th	26	Th	26	Th	5	56	6	17	0	30	0	30
	Fr	27	Fr	27	Fr	5	54	6	18	1	15	1	15
	Sa	28	Sa	28	Sa	5	53	6	19	1	57	1	57
	D	29	D	29	D	5	52	6	20	2	32	2	32
	M	30	M	30	M	5	50	6	21	3	7	3	7
	Tu	31	Tu	31	Tu	5	48	6	22	3	37	3	37

CALENDAR FOR									
N. YORK CITY: PHILADELPHIA: CONN., N.J., Jersey, Penn'a, Ohio, Indiana, and Illinois.									
SUN. RISES.	SUN. SETS.	MOON		H. W.					
		H. M.	SETS.	H. M.	N. Y. ORK.				
6 35	5 50	4	5	5	15				
6 35	5 51	4	38	6	5				
6 32	5 53	5	10	6	51				
6 30	5 54	5	39	7	33				
6 29	5 55	rises.		8	10				
6 27	5 56	7	24	8	49				
6 26	5 58	8	30	9	31				
6 24	5 59	9	38	10	12				
6 23	6	0	10	45	10 52				
6 21	6	1	11	51	11 43				
6 19	6	2	morn.		ev. 39				
6 17	6	3	0	55	1 43				
6 15	6	4	1	53	2 53				
6 14	6	5	2	53	4 3				
6 12	6	6	3	27	5 8				
6 10	6	7	4	5	6 8				
6 9	6	8	4	39	7 0				
6 7	6	9	5	11	7 47				
6 5	6	10	sets.		8 26				
6 3	6	12	7	44	9 9				
6 2	6	13	8	49	9 51				
6 0	6	14	9	50	10 32				
5 59	6	15	10	50	11 15				
5 58	6	16	11	46	morn.				
5 56	6	17	morn.		0 4				
5 55	6	18	0	35	0 51				
5 54	6	19	1	20	1 48				
5 52	6	20	2	1	2 44				
5 51	6	21	2	36	3 41				
5 49	6	22	3	9	4 37				
5 47	6	23	3	39	5 27				

CALENDAR FOR									
BOSTON; NEW ENGLAND, New York State, Michigan, Wisconsin, Iowa, and Oregon.									
SUN RISES.		SUN SETS.		MOON SETS.		H. W. BOSTON			
H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
6 35	5 50	4	9	8	29				
6 33	5 51	4	42	9	19				
6 32	5 53	5	13	10	5				
6 30	5 54	5	41	10	47				
6 29	5 55	rises.		11	24				
6 27	5 56	7	25	ev.	2				
6 26	5 58	8	32	0	45				
6 24	5 59	9	41	1	26				
6 23	6 0	10	49	2	6				
6 21	6 1	11	56	2	57				
6 19	6 2	morn.		3	53				
6 17	6 3	1	0	4	57				
6 15	6 5	1	58	6	7				
6 14	6 6	2	57	7	17				
6 12	6 7	3	30	8	22				
6 10	6 8	4	7	9	22				
6 9	6 9	4	41	-0	21				
6 7	6 10	5	11	1	1				
6 5	6 11	sets.		11	40				
6 3	6 13	7	46	morn.					
6 2	6 14	8	52	0	23				
6 0	6 15	9	54	1	5				
5 59	6 17	10	54	1	40				
5 57	6 18	11	51	2	29				
5 55	6 19	morn.		3	18				
5 53	6 20	0	40	4	8				
5 52	6 21	1	25	5	2				
5 51	6 22	2	5	5	58				
5 49	6 23	2	39	6	55				
5 47	6 24	3	12	7	49				
5 45	6 25	3	40	7	41				

Day of Month.	Day of Week.	
1	D	7 34 18
2	M	7 11 29
3	Tu	6 48 32
4	W	6 25 31
5	Th	6 2 23
6	Fr	5 39 11
7	S	5 15 51
8	S	5 15 54
9	M	4 52 33
10	Tu	4 29 8
11	W	4 5 40
12	Th	3 42 9
13	Fr	3 18 34
14	S	2 54 58
15	D	2 31 19
16	M	2 7 39
17	Tu	1 43 57
18	W	1 20 15
19	Th	0 56 32
20	Fr	0 32 49
21	S	0 9 7
22	S	N. 14 35
23	M	0 38 15
24	Tu	1 1 55
25	W	1 25 32
26	Th	1 49 7
27	Fr	2 12 40
28	S	2 36 9
29	M	2 59 36
30	D	3 22 59
31	Tu	3 46 17

4th MONTH.

APRIL, 1863.

30 DAYS.

MOON'S PHASES.		BOSTON.		NEW YORK.	WASH'TON.	CHARLES'N.	Sun on Merid. or noon mark.			
	P.	H.	M.	H.	M.	H.	H.	M.	M.	S.
Full Moon	3	11	25	11	13	11	10	49	12	3 58
Third Quarter	10	8	39	8	27	8	8	3	12	1 3
New Moon	17	10	21	10	9	9	9	57	11	59 3
First Quarter	25	11	24	11	12	11	10	43	11	57 53

CALENDAR FOR CHARLES'N; NORTH Carolina, Tennessee, Geo., Alabama, Missis- sippi, and Louisiana.									
SUN	SUN	MOON	H. W.	CH'TON	H. M.	H. M.	H. M.	H. M.	H. M.
RISES.	SETS.	SETS.							
5 49	6 20	4 2	5 13		5 58	6 40	7 19	8 6	8 55
5 47	6 21	4 35	5 58		6 40	7 19	8 6	8 55	9 40
5 46	6 22	4 rises.	6 40		7 19	8 6	8 55	9 40	10 26
5 45	6 22	7 12	7 19		8 6	8 55	9 40	10 26	11 32
5 43	6 23	8 16	8 55		9 40	10 26	11 32	12 18	1 32
5 42	6 24	9 22	8 55		9 40	10 26	11 32	12 18	1 32
5 40	6 24	10 26	9 40		10 26	11 32	12 18	1 32	2 46
5 39	6 25	11 27	10 32		11 32	12 18	1 32	2 46	3 47
5 38	6 26	morn.	11 32		12 18	1 32	2 46	3 47	4 42
5 36	6 26	0 21	ev. 36		1 40	2 46	3 47	4 42	5 33
5 35	6 27	1 9	1 40		2 46	3 47	4 42	5 33	6 19
5 34	6 28	1 53	2 46		3 47	4 42	5 33	6 19	6 59
5 33	6 28	2 31	3 47		4 42	5 33	6 19	6 59	7 41
5 32	6 29	3 7	4 42		5 33	6 19	6 59	7 41	8 27
5 31	6 30	3 42	5 33		6 19	6 59	7 41	8 27	9 14
5 30	6 31	4 17	6 19		6 59	7 41	8 27	9 14	9 48
5 29	6 31	sets.	7 41		7 41	8 27	9 14	9 48	10 34
5 28	6 32	7 21	8 27		8 27	9 14	9 48	10 34	11 23
5 26	6 33	8 18	9 14		9 14	9 48	10 34	11 23	12 18
5 25	6 33	9 14	9 48		10 34	11 23	12 18	1 32	2 46
5 24	6 34	10 6	9 48		11 23	12 18	1 32	2 46	3 47
5 23	6 35	10 54	10 34		12 18	1 32	2 46	3 47	4 42
5 22	6 35	11 38	11 23		1 32	2 46	3 47	4 42	5 33
5 21	6 36	morn.	1 32		2 46	3 47	4 42	5 33	6 19
5 20	6 37	0 17	0 11		3 47	4 42	5 33	6 19	6 59
5 19	6 37	0 53	1 2		4 42	5 33	6 19	6 59	7 41
5 18	6 38	1 28	1 55		5 33	6 19	6 59	7 41	8 27
5 16	6 39	1 59	2 48		6 19	6 59	7 41	8 27	9 14
5 15	6 39	2 31	3 40		6 59	7 41	8 27	9 14	9 48
5 14	6 40	3 6	4 39		7 41	8 27	9 14	9 48	10 34
5 13	6 41	4 22	5 33		8 27	9 14	9 48	10 34	11 23
5 12	6 42	5 11	6 19		9 14	9 48	10 34	11 23	12 18
5 11	6 44	morn.	1 32		10 34	11 23	12 18	1 32	2 46
5 10	6 45	0 29	0 29		11 23	12 18	1 32	2 46	3 47
5 9	6 46	1 3	1 35		12 18	1 32	2 46	3 47	4 42
5 8	6 47	2 3	2 48		1 32	2 46	3 47	4 42	5 33
5 7	6 48	3 2	3 40		2 46	3 47	4 42	5 33	6 19
5 6	6 49	4 2	4 40		3 47	4 42	5 33	6 19	6 59
5 5	6 50	5 3	5 33		4 42	5 33	6 19	6 59	7 41
5 4	6 51	6 40	6 40		5 33	6 19	6 59	7 41	8 27
5 3	6 52	7 40	7 41		6 19	6 59	7 41	8 27	9 14
5 2	6 53	8 40	8 27		6 59	7 41	8 27	9 14	9 48
5 1	6 54	9 40	9 48		7 41	8 27	9 14	9 48	10 34
5	6 55	10 40	10 34		8 27	9 14	9 48	10 34	11 23
4	6 56	11 41	11 23		9 14	9 48	10 34	11 23	12 18
3	6 57	12 42	12 18		10 34	11 23	12 18	1 32	2 46
2	6 58	1 43	1 32		11 23	12 18	1 32	2 46	3 47
1	6 59	2 44	2 46		12 18	1 32	2 46	3 47	4 42

CALENDAR FOR WASHINGTON; Mary'd, Virga, Ken'y, Missouri, and California.									
SUN	SUN	MOON	H. W.	CH'TON	H. M.	H. M.	H. M.	H. M.	H. M.
RISES.	SETS.	SETS.							
5 46	6 22	4 5	5 13		5 58	6 40	7 19	8 6	8 55
5 44	6 23	4 34	5 58		6 40	7 19	8 6	8 55	9 40
5 43	6 24	4 rises.	6 40		7 19	8 6	8 55	9 40	10 26
5 41	6 25	7 20	7 19		8 6	8 55	9 40	10 26	11 32
5 39	6 25	8 28	8 55		9 40	10 26	11 32	12 18	1 32
5 38	6 26	9 36	9 40		10 26	11 32	12 18	1 32	2 46
5 37	6 27	10 41	10 34		11 32	12 18	1 32	2 46	3 47
5 35	6 28	11 43	11 23		12 18	1 32	2 46	3 47	4 42
5 33	6 29	morn.	1 32		1 32	2 46	3 47	4 42	5 33
5 31	6 30	0 36	0 36		2 46	3 47	4 42	5 33	6 19
5 29	6 31	1 21	1 21		3 47	4 42	5 33	6 19	6 59
5 28	6 32	2 3	2 3		4 42	5 33	6 19	6 59	7 41
5 27	6 33	2 37	3 10		5 33	6 19	6 59	7 41	8 27
5 25	6 34	3 10	3 40		6 19	6 59	7 41	8 27	9 14
5 24	6 35	3 41	4 13		6 59	7 41	8 27	9 14	9 48
5 23	6 36	4 13	4 42		7 41	8 27	9 14	9 48	10 34
5 21	6 37	sets.	5 33		8 27	9 14	9 48	10 34	11 23
5 20	6 38	7 33	6 19		9 14	9 48	10 34	11 23	12 18
5 19	6 39	8 33	7 41		10 34	11 23	12 18	1 32	2 46
5 17	6 40	9 29	8 27		11 23	12 18	1 32	2 46	3 47
5 16	6 41	10 22	9 14		12 18	1 32	2 46	3 47	4 42
5 15	6 42	11 9	10 34		1 32	2 46	3 47	4 42	5 33
5 14	6 43	11 53	11 23		2 46	3 47	4 42	5 33	6 19
5 13	6 44	morn.	1 32		3 47	4 42	5 33	6 19	6 59
5 11	6 45	0 29	0 29		4 42	5 33	6 19	6 59	7 41
5 10	6 46	1 3	1 35		5 33	6 19	6 59	7 41	8 27
5 9	6 47	2 3	2 48		6 19	6 59	7 41	8 27	9 14
5 8	6 48	3 2	3 40		6 59	7 41	8 27	9 14	9 48
5 7	6 49	4 2	4 40		7 41	8 27	9 14	9 48	10 34
5 6	6 50	5 3	5 33		8 27	9 14	9 48	10 34	11 23
5 5	6 51	6 40	6 40		9 14	9 48	10 34	11 23	12 18
5 4	6 52	7 40	7 41		10 34	11 23	12 18	1 32	2 46
5 3	6 53	8 40	8 27		11 23	12 18	1 32	2 46	3 47
5 2	6 54	9 40	9 48		12 18	1 32	2 46	3 47	4 42
5 1	6 55	10 40	10 34		1 32	2 46	3 47	4 42	5 33
5	6 56	11 41	11 23		2 46	3 47	4 42	5 33	6 19
4	6 57	12 42	12 18		3 47	4 42	5 33	6 19	6 59
3	6 58	1 43	1 32		4 42	5 33	6 19	6 59	7 41
2	6 59	2 44	2 46		5 33	6 19	6 59	7 41	8 27
1	7 0	3 47	3 47		6 19	6 59	7 41	8 27	9 14

CALENDAR FOR N. YORK CITY; PHIL- adelphia, Conn., New- Jersey, Penn'a, Ohio, Indiana, and Illinois.									
SUN	SUN	MOON	H. W.	N. YORK	H. M.	H. M.	H. M.	H. M.	H. M.
RISES.	SETS.	SETS.							
5 45	6 24	4 6	6 13		6 58	7 40	8 19	8 58	9 40
5 42	6 25	4 32	6 58		7 40	8 19	8 58	9 40	10 26
5 41	6 26	rises.	7 40		8 19	8 58	9 40	10 26	11 32
5 39	6 27	7 23	8 19		8 58	9 40	10 26	11 32	12 18
5 37	6 28	8 32	9 6		9 40	10 26	11 32	12 18	1 32
5 35	6 29	9 41	9 55		10 26	11 32	12 18	1 32	2 46
5 33	6 30	10 47	10 40		11 32	12 18	1 32	2 46	3 47
5 31	6 31	11 48	11 32		12 18	1 32	2 46	3 47	4 42
5 30	6 32	morn.	ev. 32		1 32	2 46	3 47	4 42	5 33
5 28	6 33	0 41	1 36		2 46	3 47	4 42	5 33	6 19
5 26	6 34	1 26	2 40		3 47	4 42	5 33	6 19	6 59
5 25	6 35	2 6	3 46		4 42	5 33	6 19	6 59	7 41
5 24	6 36	2 39	4 47		5 33	6 19	6 59	7 41	8 27
5 22	6 37	3 11	5 42		6 19	6 59	7 41	8 27	9 14
5 21	6 38	3 41	6 33		6 59	7 41	8 27	9 14	9 48
5 20	6 39	4 12	7 19		7 41	8 27	9 14	9 48	10 34
5 18	6 40	sets.	7 59		8 27	9 14	9 48	10 34	11 23
5 16	6 41	7 37	8 41		9 14	9 48	10 34	11 23	12 18
5 15	6 42	8 36	9 27		10 34	11 23	12 18	1 32	2 46
5 13	6 43	9 34	10 9		11 23	12 18	1 32	2 46	3 47
5 11	6 45	10 27	10 48		12 18	1 32	2 46	3 47	4 42
5 10	6 46	11 14	11 34		1 32	2 46	3 47	4 42	5 33
5 9	6 47	11 57	morn.		2 46	3 47	4 42	5 33	6 19
5 8	6 48	morn.	0 23		3 47	4 42	5 33	6 19	6 59
5 7	6 49	0 34	1 11		4 42	5 33	6 19	6 59	7 41
5 6	6 50	1 5	2 2		5 33	6 19	6 59	7 41	8 27
5 5	6 51	1 37	2 53		6 19	6 59	7 41	8 27	9 14
5 4	6 52	2 4	3 48		6 59	7 41	8 27	9 14	9 48
5 3	6 53	3 4	4 40		7 41	8 27	9 14	9 48	10 34
5 2	6 54	4 3	5 33		8 27	9 14	9 48	10 34	11 23
5 1	6 55	5 2	6 24		9 14	9 48	10 34	11 23	12 18

5th MONTH.

MAY, 1863.

31 DAYS.

MOON'S PHASES.		BOSTON.		NEW YORK.		WASH'TON.		CHARLES'N.		Sun on Merid. or noon mark.			
	D.	H.	M.	H.	M.	H.	M.	H.	M.	D.	H.	M.	S.
Full Moon	3	10	8 mo.	9	56 mo.	9	44 mo.	9	32 mo.	1	11	56	58
Third Quarter	10	2	32 mo.	2	20 mo.	2	8 mo.	1	56 mo.	9	11	56	15
New Moon	17	0	4 ev.	11	52 mo.	11	40 mo.	11	23 mo.	17	11	56	8
First Quarter	25	4	3 ev.	3	51 ev.	3	30 ev.	3	27 ev.	25	11	56	33

CALENDAR FOR CHARLES'N: NORTH Carolina, Tennessee, Geo., Alabama, Missis- sippi, and Louisiana.		MOON RISES. S TS.		MOON SETS.		H. W. CHITON	
		H.	M.	H.	M.	H.	M.
1	Fr	5	13	3	39	5	22
2	Sa	5	12	4	16	6	12
3	Mo	5	11	6	43 rises.	6	56
4	Tu	5	10	6	44	8	13
5	We	5	10	6	45	9	17
6	Th	5	9	6	45	10	16
7	Fr	5	8	6	46	11	7
8	Sa	5	7	6	46	11	53
9	Mo	5	6	6	47 morn.	ev.	22
10	Tu	5	5	6	48	0	33
11	We	5	4	6	48	1	9
12	Th	5	3	6	49	1	43
13	Fr	5	2	6	50	2	17
14	Sa	5	2	6	50	2	53
15	Mo	5	1	6	51	3	29
16	Tu	5	0	6	52	4	7
17	We	5	0	6	52 sets.	7	16
18	Th	4	59	6	53	8	3
19	Fr	4	58	6	54	8	46
20	Sa	4	58	6	54	9	24
21	Mo	4	57	6	55	10	6
22	Tu	4	57	6	55	10	50
23	We	4	56	6	56	11	34
24	Th	4	56	6	56	12	0
25	Fr	4	55	6	57 morn.	0	22
26	Sa	4	55	6	57	0	33
27	Mo	4	54	6	58	1	9
28	Tu	4	54	6	58	1	23
29	We	4	51	6	58	1	34
30	Th	4	53	6	59	2	9
31	Fr	4	53	6	59	2	49

CALENDAR FOR WASHINGTON; Mary, D. C., Virg., Kent., Missouri, and California.		MOON RISES. S TS.		MOON SETS.		H. W. CHITON	
		H.	M.	H.	M.	H.	M.
1	Fr	5	26	3	34	5	22
2	Sa	5	16	53	4	8	
3	Mo	5	0	6	54 rises.		
4	Tu	4	59	6	55	8	28
5	We	4	58	6	56	9	33
6	Th	4	57	6	56	10	31
7	Fr	4	56	6	57	11	19
8	Sa	4	55	6	58 morn.	0	3
9	Mo	4	53	7	0	0	40
10	Tu	4	52	7	1	1	13
11	We	4	51	7	2	1	43
12	Th	4	50	7	3	2	14
13	Fr	4	49	7	4	2	46
14	Sa	4	48	7	5	3	20
15	Mo	4	47	7	6	3	55
16	Tu	4	46	7	7 sets.		
17	We	4	45	7	8	13	
18	Th	4	44	7	8	9	3
19	Fr	4	44	7	9	9	47
20	Sa	4	43	7	10	10	27
21	Mo	4	42	7	10	11	3
22	Tu	4	42	7	11	11	34
23	We	4	41	7	12 morn.	0	5
24	Th	4	40	7	13	0	32
25	Fr	4	39	7	14	1	0
26	Sa	4	38	7	15	1	30
27	Mo	4	37	7	16	2	38
28	Tu	4	37	7	17	3	20

CALENDAR FOR N. YORK CITY: PHIL- adelphia, Co'n., New- Jersey, Penn'a., Ohio, Indiana, and Illinois.		MOON RISES. S TS.		MOON SETS.		H. W. N. YORK	
		H.	M.	H.	M.	H.	M.
1	Fr	4	50	6	55	3	32
2	Sa	4	58	6	56	4	5
3	Mo	4	57	6	57 rises.	7	12
4	Tu	4	56	6	58	8	33
5	We	4	55	6	59	9	38
6	Th	4	54	7	0	10	36
7	Fr	4	53	7	1	11	24
8	Sa	4	52	7	2 morn.	ev.	22
9	Mo	4	51	7	3	0	7
10	Tu	4	50	7	4	0	42
11	We	4	49	7	5	1	14
12	Th	4	48	7	6	1	44
13	Fr	4	47	7	7	2	14
14	Sa	4	46	7	8	2	44
15	Mo	4	45	7	9	3	17
16	Tu	4	43	7	10	3	50
17	We	4	42	7	11 sets.	8	16
18	Th	4	41	7	12	8	19
19	Fr	4	40	7	13	9	9
20	Sa	4	39	7	14	9	52
21	Mo	4	38	7	15	10	24
22	Tu	4	37	7	16	11	6
23	We	4	36	7	17	11	50
24	Th	4	35	7	18 morn.	0	34
25	Fr	4	35	7	19	0	7
26	Sa	4	34	7	20	0	33
27	Mo	4	33	7	21	1	0
28	Tu	4	33	7	22	1	28
29	We	4	32	7	23	2	0
30	Th	4	31	7	24	2	35
31	Fr	4	31	7	25	3	15

CALENDAR FOR BOSTON; NEW ENG- land, New York State, Michigan, Wisconsin, Iowa, and Oregon.		MOON RISES. S TS.		MOON SETS.		H. W. BOSTON	
		H.	M.	H.	M.	H.	M.
1	Fr	4	54	6	59	3	30
2	Sa	4	53	7	0	4	2
3	Mo	4	51	7	1 rises.	11	10
4	Tu	4	50	7	2	8	37
5	We	4	49	7	3	9	43
6	Th	4	48	7	4	10	40
7	Fr	4	47	7	5	11	28
8	Sa	4	46	7	6 morn.	3	36
9	Mo	4	45	7	7	0	10
10	Tu	4	44	7	8	0	44
11	We	4	43	7	9	1	15
12	Th	4	42	7	10	1	44
13	Fr	4	41	7	11	2	13
14	Sa	4	40	7	12	2	42
15	Mo	4	39	7	13	3	14
16	Tu	4	38	7	14	3	47
17	We	4	37	7	15 sets.	11	30
18	Th	4	36	7	16	8	24
19	Fr	4	35	7	17	9	4
20	Sa	4	35	7	18	9	57
21	Mo	4	34	7	19	10	36
22	Tu	4	33	7	20	11	30
23	We	4	32	7	21	11	39
24	Th	4	31	7	22 morn.	3	48
25	Fr	4	30	7	23	0	8
26	Sa	4	29	7	24	0	33
27	Mo	4	28	7	25	1	0
28	Tu	4	28	7	26	1	27
29	We	4	27	7	27	1	47
30	Th	4	26	7	28	2	31
31	Fr	4	26	7	28	3	11

Sun's decl. N.		Day of Week.		Day of Month.	
15	4 29	1	Fr	1	
15	22 30	2	Sa	2	
15	40 16	3	Mo	3	
15	57 47	4	Tu	4	
16	15 2	5	We	5	
16	32 0	6	Th	6	
16	48 43	7	Fr	7	
17	5 9	8	Sa	8	
17	21 17	9	Mo	9	
17	37 9	10	Tu	10	
17	52 42	11	We	11	
18	7 58	12	Th	12	
18	22 56	13	Fr	13	
18	37 35	14	Sa	14	
18	51 56	15	Mo	15	
19	5 57	16	Tu	16	
19	19 39	17	We	17	
19	33 1	18	Th	18	
19	46 4	19	Fr	19	
19	58 46	20	Sa	20	
20	11 8	21	Mo	21	
20	23 9	22	Tu	22	
20	34 49	23	We	23	
20	46 9	24	Th	24	
20	57 6	25	Fr	25	
21	7 42	26	Sa	26	
21	17 56	27	Mo	27	
21	27 48	28	Tu	28	
21	37 18	29	We	29	
21	46 26	30	Th	30	
21	55 11	31	Fr	31	

6th MONTH.

JUNE, 1863.

30 DAYS

MOON'S PHASES.		BOSTON.		NEW YORK.		WASH'TON.		CHARLES'N.		Sun on Merid. or noon mark		
	D.	H.	M.	H.	M.	H.	M.	H.	M.	D.	H.	M.
Full Moon	1	6	46 ev.	6	31 ev.	6	22 ev.	6	10 ev	1	11	57 22
Third Quarter	8	9	8 mo.	8	56 mo.	8	44 mo.	8	33 mo.	9	11	58 55
New Moon	16	2	52 mo.	2	40 mo.	2	28 mo.	2	16 mo.	17	12	0 33
First Quarter	24	5	47 mo.	5	35 mo.	5	23 mo.	5	11 mo.	25	12	2 14

CALENDAR FOR					
CHARLES'N; NORTH					
Carolina, Tennessee,					
Geo., Alabama, Missis-					
sippi, and Louisiana.					
SUN	MOON	SAT.	RISES.	H. M.	CH TON
RISES.	H. M.	RISES.	H. M.		
1 53 7	1 6 59			6 40	
1 53 7	1 8 2			7 32	
1 53 7	2 8 58			8 29	
1 53 7	2 9 48			9 21	
1 52 7	3 10 31			10 11	
1 52 7	3 11 9			11 4	
1 52 7	4 11 46			11 57	
1 52 7	4 morn.			ev. 53	
1 52 7	5 0 21			1 50	
1 52 7	5 0 54			2 45	
1 52 7	6 1 30			3 40	
1 52 7	6 2 7			4 35	
1 52 7	7 2 48			5 27	
1 52 7	7 3 31			6 14	
1 52 7	8 4 18			6 56	
1 52 7	8 sets.			7 39	
1 52 7	9 8 13			8 23	
1 52 7	9 8 53			9 1	
1 52 7	10 9 28			9 38	
1 52 7	10 10 17			10 17	
1 52 7	10 10 32			10 58	
1 52 7	11 2 11			11 40	
1 52 7	11 35			morn.	
1 53 7	11 morn.			0 28	
1 53 7	11 0 7			1 19	
1 53 7	11 0 42			2 15	
1 53 7	11 1 23			3 19	
1 54 7	11 2 11			4 25	
1 54 7	11 3 55			5 27	
1 54 7	11 4 9			6 08	

Day of Month.	Day of Week.	SUN RISES.	SUN SETS.	MOON RISES.
1	M	4 36	7 18	7 15
2	Tu	4 36	7 19	8 17
3	W	4 35	7 19	9 12
4	Th	4 35	7 20	9 59
5	Fr	4 35	7 20	10 39
6	Sa	4 34	7 21	11 14
7	Su	4 34	7 21	11 47
8	M	4 34	7 22	morn.
9	Tu	4 34	7 22	0 19
10	W	4 34	7 23	0 49
11	Th	4 34	7 24	1 31
12	Fr	4 34	7 25	1 56
13	Sa	4 34	7 25	2 35
14	Su	4 34	7 26	3 16
15	M	4 33	7 27	4 2
16	Tu	4 33	7 27	sets.
17	W	4 33	7 28	8 27
18	Th	4 33	7 28	9 4
19	Fr	4 33	7 28	9 37
20	Sa	4 34	7 28	10 6
21	Su	4 34	7 28	10 35
22	M	4 34	7 29	11 2
23	Tu	4 34	7 29	11 32
24	W	4 35	7 29	morn.
25	Th	4 35	7 29	0 1
26	Fr	4 35	7 29	0 33
27	Sa	4 35	7 29	1 11
28	Su	4 36	7 29	1 56
29	M	4 36	7 29	2 50
30	Tu	4 36	7 29	3 59

CALENDAR FOR											
N. YORK CITY: PHILADELPHIA, CONN., NEW-JERSEY, PENNSA, OHIO, INDIANA, AND ILLINOIS.											
SUN		MOON		IL. W.		N. YORK		PHILADELPHIA		CONN.	
SETH.	RISE.	SETH.	RISE.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1 31	7 21	1 31	7 20	7 20	7 40	7 20	7 40	7 20	7 40	7 20	7 40
1 30	7 25	1 30	7 25	8 22	8 32	8 22	8 32	8 22	8 32	8 22	8 32
1 30	7 25	1 30	7 25	9 17	9 29	9 17	9 29	9 17	9 29	9 17	9 29
1 29	7 26	1 29	7 26	10 3	10 21	10 3	10 21	10 3	10 21	10 3	10 21
1 29	7 27	1 29	7 27	10 42	11 11	10 42	11 11	10 42	11 11	10 42	11 11
1 28	7 27	1 28	7 27	11 16	ev. 4	11 16	ev. 4	11 16	ev. 4	11 16	ev. 4
1 28	7 28	1 28	7 28	11 48	0 57	11 48	0 57	11 48	0 57	11 48	0 57
1 28	7 28	1 28	7 28	morn.	1 53	morn.	1 53	morn.	1 53	morn.	1 53
1 28	7 29	1 28	7 29	0 18	2 50	0 18	2 50	0 18	2 50	0 18	2 50
1 28	7 29	1 28	7 29	0 47	3 45	0 47	3 45	0 47	3 45	0 47	3 45
1 28	7 30	1 28	7 30	1 29	4 40	1 29	4 40	1 29	4 40	1 29	4 40
1 28	7 30	1 28	7 30	1 53	5 35	1 53	5 35	1 53	5 35	1 53	5 35
1 28	7 31	1 28	7 31	2 30	6 27	2 30	6 27	2 30	6 27	2 30	6 27
1 28	7 31	1 28	7 31	3 12	7 14	3 12	7 14	3 12	7 14	3 12	7 14
1 28	7 32	1 28	7 32	3 57	7 56	3 57	7 56	3 57	7 56	3 57	7 56
1 28	7 32	1 28	7 32	sets.	8 39	sets.	8 39	sets.	8 39	sets.	8 39
1 28	7 33	1 28	7 33	8 31	9 23	8 31	9 23	8 31	9 23	8 31	9 23
1 28	7 33	1 28	7 33	9 8	10 1	9 8	10 1	9 8	10 1	9 8	10 1
1 28	7 34	1 28	7 34	9 40	10 38	9 40	10 38	9 40	10 38	9 40	10 38
1 29	7 34	1 29	7 34	10 8	11 17	10 8	11 17	10 8	11 17	10 8	11 17
1 29	7 34	1 29	7 34	10 36	11 58	10 36	11 58	10 36	11 58	10 36	11 58
1 29	7 34	1 29	7 34	11 3	morn.	11 3	morn.	11 3	morn.	11 3	morn.
1 29	7 35	1 29	7 35	11 31	0 40	11 31	0 40	11 31	0 40	11 31	0 40
1 30	7 35	1 30	7 35	11 59	1 28	11 59	1 28	11 59	1 28	11 59	1 28
1 30	7 35	1 30	7 35	morn.	2 19	morn.	2 19	morn.	2 19	morn.	2 19
1 30	7 35	1 30	7 35	0 30	3 15	0 30	3 15	0 30	3 15	0 30	3 15
1 30	7 35	1 30	7 35	1 8	4 19	1 8	4 19	1 8	4 19	1 8	4 19
1 30	7 35	1 30	7 35	1 52	5 25	1 52	5 25	1 52	5 25	1 52	5 25
1 31	7 35	1 31	7 35	2 44	6 27	2 44	6 27	2 44	6 27	2 44	6 27
1 31	7 35	1 31	7 35	3 47	7 26	3 47	7 26	3 47	7 26	3 47	7 26

CALENDAR FOR									
BOSTON; NEW ENGLAND; New York State, Michigan, Wisconsin, Iowa, and Oregon.									
SUN RISES.	LEN SETS.	MOON		H. W.					
		H. M.	RISE.	BOSTON					
1 25	7 29	H. M.	7 25	H. M.	10 54				
1 24	7 30	8 28	11 46						
1 24	7 30	9 21	ev. 43						
2 23	7 31	10 7	1 35						
2 23	7 32	10 44	2 25						
2 23	7 33	11 17	3 18						
2 22	7 33	11 48	4 11						
2 22	7 34	morn.	5 7						
2 22	7 35	0 18	6 4						
2 22	7 35	0 45	6 59						
2 22	7 36	1 26	7 54						
2 22	7 37	1 49	8 49						
2 22	7 37	2 26	9 41						
2 22	7 38	3 7	10 28						
2 22	7 38	3 52	11 10						
2 22	7 38	sets.	11 53						
2 22	7 39	8 36	morn.						
2 22	7 39	9 12	0 37						
2 23	7 39	9 43	1 15						
2 23	7 39	10 10	1 52						
2 23	7 39	10 37	2 31						
2 23	7 40	11 3	3 12						
2 23	7 40	11 30	3 54						
2 24	7 40	11 57	4 42						
2 24	7 40	morn.	5 39						
2 24	7 40	0 27	6 29						
2 25	7 40	1 4	7 33						
2 25	7 40	1 47	8 39						
2 25	7 40	2 39	9 41						
2 25	7 40	3 42	10 41						

Day of Month.	Day of Week.	Sun's decl. N.
1 M	22 11 32	33
2 W	22 12 7	32
3 Th	22 16 20	7
4 Fr	22 26 20	20
5 Sa	22 33 9	26
6 S	22 36 31	33
7 M	22 45 36	36
8 W	22 51 13	45
9 Th	22 56 27	51
10 F	23 1 16	56
11 Sa	23 5 41	1
12 S	23 9 42	5
13 M	23 13 18	9
14 W	23 16 33	13
15 Th	23 19 17	16
16 Fr	23 21 39	19
17 Sa	23 23 37	21
18 S	23 25 9	23
19 M	23 26 17	25
20 W	23 26 19	26
21 Th	23 27 1	26
22 Fr	23 27 19	27
23 Sa	23 27 13	27
24 S	23 26 42	27
25 M	23 25 46	26
26 W	23 24 25	25
27 Th	23 22 40	24
28 Fr	23 20 30	22
29 Sa	23 17 56	20
30 S	23 14 57	17
31 M	23 11 33	14

7th MONTH.

JULY, 1863.

31 DAYS.

MOON'S PHASES.	BOSTON.	NEW YORK.	WASH'TON.	CHARLES'N.	Sun on Merid.
Full Moon -----	D. 1	H. M. 2 2 mo.	H. M. 1 50 mo.	H. M. 1 38 mo.	H. M. 1 26 mo.
Third Quarter	7	5 45 ev.	5 33 ev.	5 21 ev.	5 9 ev.
New Moon	15	6 9 ev.	5 57 ev.	5 45 ev.	5 23 ev.
First Quarter	23	4 48 ev.	4 36 ev.	4 24 ev.	4 13 ev.
Full Moon	30	8 50 mo.	8 33 mo.	8 25 mo.	8 14 mo.

CALENDAR FOR CHARLES'N: NORTH Carolina, Tennessee, Geo., Alabama, Missis- sippi, and Louisiana.	SUN RISES.	SUN SETS.	MOON RISES.	H. W. CHTN.
Full Moon -----	4 55	7 11	ris.	7 18
Third Quarter	4 55	7 11	8 25	8 16
New Moon	4 56	7 11	9 6	9 6
First Quarter	4 56	7 11	9 44	9 50
Full Moon	4 57	7 11	10 21	10 39
	4 57	7 11	10 55	11 29
	4 58	7 11	11 31	ev. 21
	4 58	7 10	morn.	1 15
	4 59	7 10	0 9	2 12
	5 0	7 10	0 47	3 11
	5 0	7 10	1 30	4 5
	5 1	7 9	2 16	5 2
	5 1	7 9	3 5	5 52
	5 2	7 9	3 55	6 36
	5 3	7 8	sets.	7 12
	5 3	7 8	7 29	7 55
	5 4	7 8	8 3	8 32
	5 4	7 7	8 35	9 11
	5 5	7 7	9 5	9 45
	5 5	7 6	9 37	10 22
	5 6	7 6	10 8	11 5
	5 6	7 5	10 41	11 52
	5 7	7 5	11 19	morn.
	5 8	7 4	morn.	0 45
	5 8	7 3	0 2	1 46
	5 9	7 3	0 52	2 53
	5 10	7 2	1 50	4 3
	5 11	7 1	2 54	5 12
	5 11	7 0	4 3	6 13
	5 12	7 0	ris.	7 5
	5 12	6 59	7 39	7 56

CALENDAR FOR WASHINGTON: New Mary'd, Virg'n, Kent'y, Missouri, and California.	SUN RISES.	SUN SETS.	MOON RISES.	H. W. CHTN.
Full Moon -----	4 37	7 29	ris.	7 18
Third Quarter	4 37	7 29	8 35	8 16
New Moon	4 38	7 29	9 13	9 6
First Quarter	4 38	7 28	9 47	9 50
Full Moon	4 39	7 28	10 20	10 39
	4 40	7 28	10 50	11 29
	4 40	7 28	11 24	ev. 21
	4 41	7 27	11 58	1 15
	4 42	7 27	morn.	2 12
	4 42	7 27	1 15	3 11
	4 43	7 26	2 1	4 5
	4 44	7 26	2 50	5 2
	4 45	7 25	3 40	5 52
	4 45	7 25	sets.	6 36
	4 46	7 24	sets.	7 12
	4 47	7 24	7 39	7 55
	4 48	7 23	8 10	8 32
	4 49	7 23	8 40	9 11
	4 50	7 22	9 6	9 45
	4 50	7 22	9 35	10 22
	4 51	7 21	10 3	11 5
	4 52	7 20	10 33	11 52
	4 53	7 19	11 9	morn.
	4 53	7 18	11 49	0 45
	4 54	7 17	morn.	1 46
	4 55	7 16	0 37	2 53
	4 56	7 15	1 35	4 3
	4 56	7 14	2 30	5 12
	4 57	7 14	3 50	6 13
	4 58	7 14	ris.	7 5
	4 59	7 13	7 44	7 56

CALENDAR FOR NEW YORK CITY: PHIL- adelphia, Conn., New- Jersey, Penn'a, Ohio, Indiana, and Illinois.	SUN RISES.	SUN SETS.	MOON RISES.	H. W. CHTN.
Full Moon -----	4 31	7 35	ris.	8 18
Third Quarter	4 32	7 35	8 38	9 16
New Moon	4 32	7 35	9 15	10 6
First Quarter	4 33	7 34	9 48	10 50
Full Moon	4 33	7 34	10 21	11 39
	4 34	7 34	10 49	ev. 21
	4 34	7 34	11 22	1 21
	4 35	7 33	11 55	2 15
	4 36	7 33	morn.	3 12
	4 37	7 33	0 30	4 11
	4 38	7 32	1 10	5 5
	4 39	7 32	1 56	6 2
	4 39	7 31	2 44	6 52
	4 40	7 31	3 35	7 36
	4 41	7 30	sets.	8 12
	4 42	7 29	7 42	8 55
	4 43	7 29	8 12	9 32
	4 43	7 28	8 41	10 15
	4 44	7 27	9 7	10 45
	4 45	7 27	9 35	11 22
	4 46	7 26	10 1	morn.
	4 47	7 25	10 31	0 52
	4 48	7 24	11 5	0 52
	4 49	7 23	11 44	1 45
	4 49	7 22	morn.	2 46
	4 50	7 22	0 33	3 53
	4 51	7 21	1 29	5 3
	4 52	7 20	2 24	6 12
	4 53	7 19	3 46	7 13
	4 54	7 18	ris.	8 5
	4 55	7 17	7 46	8 56

CALENDAR FOR BOSTON: NEW ENG- land, New York State, Michigan, Wisconsin, Iowa, and Oregon.	SUN RISES.	SUN SETS.	MOON RISES.	H. W. CHTN.
Full Moon -----	4 26	7 40	ris.	11 32
Third Quarter	4 26	7 40	8 41	ev. 30
New Moon	4 27	7 40	9 17	1 20
First Quarter	4 27	7 39	9 49	2 4
Full Moon	4 28	7 39	10 20	2 53
	4 29	7 39	10 48	3 43
	4 29	7 39	11 19	4 35
	4 30	7 38	11 52	5 29
	4 31	7 38	morn.	6 26
	4 32	7 38	0 26	7 25
	4 32	7 37	1 5	8 19
	4 33	7 37	1 51	9 16
	4 34	7 36	2 39	10 6
	4 35	7 36	3 31	10 50
	4 36	7 35	sets.	11 26
	4 37	7 34	7 45	morn.
	4 38	7 34	8 15	0 9
	4 39	7 33	8 42	0 46
	4 40	7 32	9 7	1 25
	4 41	7 32	9 34	2 36
	4 42	7 31	10 28	3 19
	4 43	7 30	11 2	4 6
	4 44	7 29	11 40	4 59
	4 45	7 27	morn.	6 0
	4 46	7 26	0 28	7 7
	4 47	7 25	1 24	8 17
	4 48	7 24	2 30	9 26
	4 49	7 23	3 42	10 27
	4 50	7 22	ris.	11 19
	4 51	7 21	7 47	ev. 10

Day of Month.	Day of Week.	Fun's decl. N.
1	W	23 7 46
2	Th	23 3 33
3	Fr	22 58 57
4	Sa	22 53 57
5	D	22 48 33
6	M	22 42 45
7	Tu	22 36 33
8	W	22 29 57
9	Th	22 22 59
10	Fr	22 15 37
11	Sa	22 7 52
12	D	21 59 44
13	M	21 51 13
14	Tu	21 42 20
15	W	21 33 24
16	Th	21 23 27
17	Fr	21 13 28
18	Sa	21 3 7
19	D	20 52 25
20	M	20 41 22
21	Tu	20 29 58
22	W	20 18 13
23	Th	20 6 8
24	Fr	19 53 43
25	Sa	19 40 58
26	D	19 27 54
27	M	19 14 30
28	Tu	19 0 47
29	W	18 46 46
30	Th	18 32 26
31	Fr	18 17 47

8th MONTH.

AUGUST, 1863.

31 DAYS.

MOON'S PHASES.		BOSTON.		NEW YORK.		WASH'TON.		CHARLES'N.		Sun on Merid. or noon mark.			
	D.	H.	M.	H.	M.	H.	M.	H.	M.	D.	H.	M.	S.
Third Quarter....	6	5	21 mo.	5	9 mo.	4	57 mo.	4	46 mo.	1	12	6	3
New Moon	14	9	19 mo.	9	7 mo.	8	55 mo.	8	43 mo.	9	12	5	16
First Quarter	21	1	35 mo.	1	23 mo.	1	11 mo.	1	0 mo.	17	12	3	53
Full Moon	28	4	11 ev.	2	59 ev.	3	46 ev.	3	35 ev.	25	12	1	57

CALENDAR FOR BOSTON; NEW ENGL- and, New York State, Michigan, Wisconsin, Iowa, and Oregon.				CALENDAR FOR N. Y. CITY; PHIL- adelphia, Cal'n., New- Jersey, Penn'a., Ohio, Indiana, and Illinois.				CALENDAR FOR WASHINGTON; Mary'd., Vir'g'n., Ken'y., Missouri, and California.				CALENDAR FOR CHARLES'N; NORTH Carolina, Tennessee, Geo., Alabama, Missis- sippi, and Louisiana.			
Day of Month.	Day of Week.	SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.	IL. W. BOSTON.	IL. W. N. Y. CITY.	Day of Month.	Day of Week.	SUN RISES.	SUN SETS.	MOON RISES.	MOON SETS.	IL. W. CHICAGO.	IL. W. ST. LOUIS.
1	Sa	4 52	7 20	8 18	ev. 58	H. M.	H. M.	1	Sa	5 07	12 15	8 15	8 44	H. M.	H. M.
2	Da	4 53	7 19	8 50	1 41	8 50	9 44	2	Da	5 17	12 11	8 51	9 27	8 54	9 27
3	W	4 54	7 18	9 20	2 25	9 20	10 27	3	W	5 27	12 10	9 24	10 11	9 30	10 11
4	Tu	4 56	7 16	9 52	3 13	9 52	11 11	4	Tu	5 37	12 9	9 58	10 59	9 39	10 59
5	W	4 57	7 15	10 28	4 3	10 28	11 59	5	W	5 47	12 8	10 35	11 49	10 47	11 49
6	Th	4 57	7 14	11 6	4 56	11 6	1 42	6	Th	5 57	12 7	11 15	12 29	11 53	12 29
7	Fr	4 58	7 13	11 47	5 54	11 47	2 40	7	Fr	6 07	12 6	11 58	1 40	12 52	1 40
8	Sa	4 59	7 11	morn.	6 55	12 5	3 41	8	Sa	6 17	12 5	morn.	2 41	1 52	2 41
9	Da	5 07	7 10	0 35	7 52	1 35	4 38	9	Da	6 27	12 4	0 45	3 38	2 50	3 38
10	M	5 17	7 9	1 27	8 48	2 25	5 34	10	M	6 37	12 3	1 37	4 34	3 40	4 34
11	Tu	5 27	7 8	2 20	9 37	3 13	6 23	11	Tu	6 47	12 2	2 29	5 23	4 42	5 23
12	W	5 37	7 7	3 17	10 23	4 0	7 9	12	W	6 57	12 1	3 20	6 9	5 30	6 9
13	Th	5 47	7 5	4 15	10 58	4 48	8 24	13	Th	7 07	12 0	4 18	7 24	6 44	7 24
14	Fr	5 57	7 4	sets.	11 38	5 38	8 24	14	Fr	7 17	11 59	sets.	8 2	7 52	8 2
15	Sa	6 07	7 2	7 13	morn.	6 28	9 2	15	Sa	7 27	11 58	7 11	9 8	8 40	9 8
16	Da	6 17	7 1	7 40	0 16	7 18	9 40	16	Da	7 37	11 57	7 40	9 18	9 53	9 18
17	M	6 27	7 0	8 5	0 54	8 28	10 18	17	M	7 47	11 56	8 7	10 18	10 42	10 18
18	Tu	6 37	6 58	8 35	1 32	9 38	10 53	18	Tu	7 57	11 55	8 38	11 9	11 16	11 9
19	W	6 47	6 56	9 4	2 7	10 48	11 37	19	W	8 07	11 54	9 50	12 27	12 37	12 27
20	Th	6 57	7 5	10 55	3 42	11 58	morn.	20	Th	8 17	11 53	10 50	1 27	1 37	1 27
21	Fr	7 07	7 54	12 3	4 41	12 6	0 27	21	Fr	8 27	11 52	11 38	2 27	2 37	2 27
22	Sa	7 17	7 52	11 13	5 38	1 16	1 24	22	Sa	8 37	11 51	12 23	3 27	3 37	3 27
23	Da	7 27	7 51	morn.	6 43	2 6	2 29	23	Da	8 47	11 50	morn.	4 27	4 37	4 27
24	M	7 37	7 50	0 13	7 53	3 16	3 39	24	M	8 57	11 49	0 23	5 27	5 37	5 27
25	Tu	7 47	7 48	1 20	8 3	4 4	4 49	25	Tu	9 07	11 48	1 33	6 27	6 37	6 27
26	W	7 57	7 46	2 33	9 11	5 16	5 57	26	W	9 17	11 47	2 41	7 27	7 37	7 27
27	Th	8 07	7 45	3 50	10 10	6 2	6 56	27	Th	9 27	11 46	3 55	8 27	8 37	8 27
28	Fr	8 17	7 44	4 52	11 0	7 12	7 46	28	Fr	9 37	11 45	rises.	9 37	9 47	9 37
29	Sa	8 27	7 43	6 47	11 46	8 2	8 32	29	Sa	9 47	11 44	6 47	10 37	10 47	10 37
30	Da	8 37	7 42	7 18	ev. 33	9 12	9 19	30	Da	9 57	11 43	7 21	11 37	11 47	11 37
31	M	8 47	7 41	7 56	1 15	10 18	10 1	31	M	10 07	11 42	8 3	12 37	12 47	12 37

9th MONTH.

SEPTEMBER, 1863.

30 DAYS.

MOON'S PHASES.		BOSTON.		NEW YORK.		WASH'TON.		CHARLES'N.		Sun on Merid. or noon mark.			
	P.	H.	M.	H.	M.	H.	M.	H.	M.	D.	R.	M.	S.
Third Quarter.....	4	8	25 ev.	8	13 ev.	8	1 ev.	7	50 ev.	1	11	59	54
New Moon	12	11	58 ev.	11	46 ev.	11	34 ev.	11	22 ev.	9	11	57	16
First Quarter	20	8	49 mo.	8	37 mo.	8	25 mo.	8	13 mo.	17	11	54	29
Full Moon	27	1	18 mo.	1	6 mo.	0	51 mo.	0	42 mo.	25	11	51	41

CALENDAR FOR CHARLES'N: NORTH Carolina, Tennessee, Geo., Alabama, Missis- sippi, and Louisiana.												CALENDAR FOR WASHINGTON: Mary'd, Virg'a, Kent., Missouri, and California.			
SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.
RISES.	SETS.	RISES.	CH'TON	RISES.	SETS.	RISES.	CH'TON	RISES.	SETS.	RISES.	CH'TON	RISES.	SETS.	RISES.	CH'TON
H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
5 35	6 25	8 44	9 44	5 29	6 31	8 33	9 44	5 27	6 33	8 30	10 44	5 26	6 36	8 38	9 44
5 35	6 24	9 24	10 29	5 30	6 30	9 12	10 29	5 28	6 32	9 7	11 29	5 26	6 35	8 32	9 44
5 36	6 22	10 10	11 19	5 31	6 28	9 55	11 19	5 29	6 30	9 50	ev. 19	5 27	6 33	9 46	3 33
5 37	6 21	10 56	ev. 12	5 32	6 27	10 41	12 4	5 30	6 29	10 36	1 12	5 28	6 33	10 31	4 26
5 37	6 20	11 46	1 7	5 33	6 25	11 31	2 7	5 31	6 27	11 26	2 7	5 29	6 30	11 21	5 21
5 38	6 19	morn.	2 8	5 34	6 24	morn.	3 8	5 32	6 26	morn.	3 8	5 30	6 28	morn.	6 22
5 38	6 18	0 38	3 59	5 35	6 23	0 24	4 5	5 33	6 24	0 19	4 5	5 31	6 26	0 16	7 19
5 39	6 16	1 30	3 59	5 36	6 21	1 18	5 49	5 34	6 23	1 14	4 59	5 32	6 25	1 10	8 13
5 40	6 15	2 15	4 49	5 36	6 20	2 15	5 49	5 35	6 21	2 11	5 49	5 33	6 23	2 8	9 3
5 40	6 14	3 18	5 36	5 37	6 18	3 10	6 36	5 36	6 19	3 8	6 36	5 34	6 21	3 5	9 50
5 41	6 12	4 12	6 17	5 38	6 17	4 7	7 17	5 36	6 18	4 6	7 17	5 35	6 19	4 4	10 31
5 42	6 11	sets.	6 52	5 39	6 15	sets.	7 52	5 37	6 16	sets.	7 52	5 36	6 17	sets.	11 6
5 42	6 9	6 14	7 31	5 40	6 13	6 11	8 31	5 38	6 14	6 10	8 31	5 37	6 16	6 9	11 45
5 43	6 8	6 47	8 11	5 40	6 12	6 41	9 11	5 39	6 12	6 40	9 11	5 38	6 14	6 38	morn.
5 43	6 7	7 23	8 51	5 41	6 10	7 14	9 51	5 40	6 10	7 11	9 51	5 39	6 12	7 8	0 25
5 44	6 6	8 1	9 32	5 42	6 9	7 50	10 32	5 41	6 8	7 46	10 32	5 40	6 10	7 43	1 5
5 45	6 5	8 45	10 16	5 43	6 7	8 32	11 16	5 42	6 7	8 27	11 16	5 41	6 8	8 22	1 46
5 45	6 4	9 34	11 11	5 44	6 5	9 19	morn.	5 43	6 5	9 14	morn.	5 42	6 7	9 10	2 30
5 46	6 3	10 31	morn.	5 44	6 4	10 16	1 19	5 44	6 4	10 11	0 11	5 43	6 5	10 6	3 25
5 47	6 2	10 34	1 17	5 45	6 2	11 19	2 19	5 45	6 2	11 15	1 10	5 44	6 4	11 10	4 24
5 47	6 0	morn.	2 27	5 46	6 1	morn.	3 19	5 46	6 1	11 15	1 10	5 45	6 2	11 15	5 31
5 48	5 59	0 38	3 34	5 47	5 59	0 25	4 25	5 47	5 59	0 21	3 27	5 46	6 0	0 17	6 41
5 48	5 57	1 46	4 37	5 48	5 57	1 37	5 51	5 48	5 57	1 34	4 34	5 47	5 58	1 31	7 48
5 49	5 55	2 54	5 33	5 49	5 55	2 47	6 27	5 49	5 55	2 45	5 37	5 48	5 56	2 43	8 51
5 50	5 53	4 1	6 22	5 50	5 53	3 58	7 48	5 50	5 53	3 57	6 33	5 49	5 54	3 56	9 47
5 50	5 53	rises.	7 6	5 51	5 52	rises.	8 6	5 51	5 52	rises.	7 22	5 50	5 52	4 36	10 36
5 51	5 51	5 57	8 37	5 52	5 51	5 51	9 1	5 52	5 50	5 49	8 6	5 51	5 50	5 47	11 20
5 52	5 50	6 36	9 19	5 53	5 49	6 27	9 51	5 53	5 49	6 24	8 51	5 52	5 49	6 21	ev. 5
5 52	5 48	7 18	8 37	5 54	5 47	7 6	10 37	5 54	5 47	7 2	9 37	5 53	5 46	6 59	0 51
5 53	5 45	8 2	9 19	5 55	5 45	7 48	11 19	5 55	5 45	7 44	10 19	5 54	5 45	7 39	1 33

CALENDAR FOR NEW YORK CITY: PHIL- adelphia, Conn., New- Jersey, Penn'a, Ohio, Indiana, and Illinois.												CALENDAR FOR BOSTON: NEW ENG- land, New York State, Michigan, Wisconsin, Iowa, and Oregon.			
SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.
RISES.	SETS.	RISES.	N.YORK	RISES.	SETS.	RISES.	N.YORK	RISES.	SETS.	RISES.	BOSTON	RISES.	SETS.	RISES.	BOSTON
H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
5 29	6 31	8 33	9 44	5 27	6 33	8 30	10 44	5 26	6 36	8 38	9 44	5 24	6 36	8 38	9 44
5 30	6 30	9 12	10 29	5 28	6 32	9 7	11 29	5 26	6 35	8 32	9 46	5 26	6 35	8 32	9 46
5 31	6 28	9 55	11 19	5 29	6 30	9 50	ev. 19	5 27	6 33	9 46	3 33	5 27	6 33	9 46	3 33
5 32	6 27	10 41	12 4	5 30	6 29	10 36	1 12	5 28	6 31	10 31	4 26	5 28	6 31	10 31	4 26
5 33	6 25	11 31	2 7	5 31	6 27	11 26	2 7	5 29	6 30	11 21	5 21	5 29	6 30	11 21	5 21
5 34	6 24	morn.	3 8	5 32	6 26	morn.	3 8	5 30	6 28	morn.	6 22	5 30	6 28	morn.	6 22
5 35	6 23	0 24	4 5	5 33	6 24	0 19	4 5	5 31	6 26	0 16	7 19	5 31	6 26	0 16	7 19
5 36	6 21	1 18	5 49	5 34	6 23	1 14	4 59	5 32	6 25	1 10	8 13	5 32	6 25	1 10	8 13
5 37	6 20	2 15	6 36	5 35	6 21	2 11	5 49	5 33	6 23	2 8	9 3	5 33	6 23	2 8	9 3
5 38	6 18	3 10	7 17	5 36	6 19	3 8	6 36	5 34	6 21	3 5	9 50	5 34	6 21	3 5	9 50
5 39	6 17	4 7	8 31	5 37	6 18	4 6	7 17	5 35	6 19	4 4	10 31	5 35	6 19	4 4	10 31
5 40	6 15	sets.	9 11	5 38	6 16	sets.	11 6	5 36	6 17	sets.	11 6	5 36	6 17	sets.	11 6
5 41	6 13	6 11	10 16	5 39	6 14	6 10	8 31	5 37	6 16	6 9	11 45	5 37	6 16	6 9	11 45
5 42	6 12	6 41	9 11	5 40	6 12	6 40	9 11	5 38	6 14	6 38	morn.	5 38	6 14	6 38	morn.
5 43	6 10	7 14	10 16	5 41	6 10	7 11	9 51	5 39	6 12	7 8	0 25	5 39	6 12	7 8	0 25
5 44	6 9	7 50	11 16	5 42	6 9	7 46	10 32	5 40	6 10	7 43	1 5	5 40	6 11	7 43	1 5
5 45	6 7	8 32	12 4	5 43	6 7	8 27	11 16	5 41	6 8	8 22	1 46	5 41	6 9	8 22	1 46
5 46	6 5	9 19	1 19	5 44	6 5	9 14	morn.	5 42	6 7	9 10	2 30	5 42	6 7	9 10	2 30
5 47	6 4	10 16	2 19	5 45	6 4	10 11	0 11	5 43	6 5	10 6	3 25	5 43	6 5	10 6	3 25
5 48	6 2	11 19	3 19	5 46	6 2	11 15	1 10	5 44	6 4	11 10	4 24	5 44	6 4	11 10	4 24
5 49	6 1	morn.	4 25	5 47	6 1	morn.	2 17	5 45	6 2	morn.	5 31	5 45	6 2	morn.	5 31
5 50	5 59	0 25	5 33	5 48	5 59	0 21	3 27	5 46	6 0	0 17	6 41	5 46	6 0	0 17	6 41
5 51	5 57	1 37	6 27	5 49	5 57	1 34	4 34	5 47	5 58	1 31	7 48	5 47	5 58	1 31	7 48
5 52	5 55	2 47	7 48	5 50	5 55	2 45	5 37	5 48	5 56	2 43	8 51	5 48	5 56	2 43	8 51
5 53	5 53	3 58	9 19	5 51	5 53	3 57	6 33	5 49	5 54	3 56	9 47	5 49	5 54	3 56	9 47
5 54	5 52	rises.	10 36	5 52	5 52	rises.	10 36	5 50	5 52	rises.	10 36	5 50	5 52	rises.	10 36
5 55	5 51	5 49	11 20	5 53	5 50	5 49	11 20	5 51	5 50	5 47	11 20	5 51	5 50	5 47	11 20
5 56	5 49	6 24	12 4	5 54	5 49	6 24	8 51	5 52	5 49	6 21	ev. 5	5 52	5 49	6 21	ev. 5
5 57	5 47	7 2	9 37	5 55	5 47	7 2	9 37	5 53	5 47	7 2	9 37	5 53	5 47	7 2	9 37
5 58	5 45	8 2	10 19	5 56	5 45	8 2	10 19	5 54	5 45	8 2	10 19	5 54	5 45	8 2	10 19

CALENDAR FOR N. Y. O. K. CITY: PHIL- adelphia, Conn., New- Jersey, Penn'a, Ohio, Indiana, and Illinois.												CALENDAR FOR BOSTON: NEW ENG- land, New York State, Michigan, Wisconsin, Iowa, and Oregon.											
SUN		MOON		H. W.		SUN		MOON		H. W.		SUN		MOON		H. W.							
RISES.	SETS.	RISES.	N. Y. O. K.	RISES.	N. Y. O. K.	RISES.	N. Y. O. K.	RISES.	N. Y. O. K.	RISES.	N. Y. O. K.	RISES.	N. Y. O. K.	RISES.	N. Y. O. K.	RISES.	N. Y. O. K.						
H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.						
5 27	6 35	8 30	10 44	5 26	6 36	8 32	10 46	5 27	6 35	8 38	10 44	5 24	6 36	8 38	10 44	5 24	6 36						
5 28	6 32	9 7	11 29	5 28	6 32	9 7	11 29	5 26	6 35	8 32	9 46	5 26	6 35	8 32	9 46	5 26	6 35						
5 29	6 30	9 50	ev. 19	5 29	6 30	9 50	ev. 19	5 27	6 33	9 46	3 33	5 27	6 33	9 46	3 33	5 27	6 33						
5 30	6 29	10 36	1 12	5 30	6 29	10 36	1 12	5 28	6 31	10 31	4 26	5 28	6 31	10 31	4 26	5 28	6 31						
5 31	6 27	11 26	2 7	5 31	6 27	11 26	2 7	5 29	6 30	11 21	5 21	5 29	6 30	11 21	5 21	5 29	6 30						
5 32	6 26	morn.	3 8	5 32	6 26	morn.	3 8	5 30	6 28	morn.	6 22	5 30	6 28	morn.	6 22	5 30	6 28						
5 33	6 24	0 19	4 5	5 33	6 24	0 19	4 5	5 31	6 26	0 19	4 5	5 31	6 26	0 19	4 5	5 31	6 26						
5 34	6 23	1 14	4 59	5 34	6 23	1 14	4 59	5 32	6 24	1 14	4 59	5 32	6 24	1 14	4 59	5 32	6 24						
5 35	6 21	2 11	5 49	5 35	6 21	2 11	5 49	5 33	6 22	2 11	5 49	5 33	6 22	2 11	5 49	5 33	6 22						
5 36	6 19	3 8	6 36	5 36	6 19	3 8	6 36	5 34	6 20	3 8	6 36	5 34	6 20	3 8	6 36	5 34	6 20						
5 36	6 18	4 6	7 17	5 36	6 18	4 6	7 17	5 35	6 18	4 6	7 17	5 35	6 18	4 6	7 17	5 35	6 18						
5 37	6 16	sets.	7 52	5 37	6 16	sets.	7 52	5 36	6 16	sets.	7 52	5 36	6 16	sets.	7 52	5 36	6 16						
5 38	6 14	6 10	8 31	5 38	6 14	6 10	8 31	5 37	6 14	6 10	8 31	5 37	6 14	6 10	8 31	5 37	6 14						
5 39	6 12	6 40	9 11	5 39	6 12	6 40	9 11	5 38	6 12	6 40	9 11	5 38	6 12	6 40	9 11	5 38	6 12						
5 40	6 10	7 11	9 51	5 40	6 10	7 11	9 51	5 39	6 10	7 11	9 51	5 39	6 10	7 11	9 51	5 39	6 10						
5 41	6 8	7 46	10 32	5 41	6 8	7 46	10 32	5 40	6 8	7 46	10 32	5 40	6 8	7 46	10 32	5 40	6 8						
5 42	6 7	8 27	11 16	5 42	6 7	8 27	11 16	5 41	6 7	8 27	11 16	5 41	6 7	8 27	11 16	5 41	6 7						
5 43	6 5	9 14	morn.	5 43	6 5	9 14	morn.	5 42	6 5	9 14	morn.	5 42	6 5	9 14	morn.	5 42	6 5						
5 44	6 4	10 11	0 11	5 44	6 4	10 11	0 11	5 43	6 4	10 11	0 11	5 43	6 4	10 11	0 11	5 43	6 4						
5 45	6 2	11 15	1 10	5 45	6 2	11 15	1 10	5 44	6 2	11 15	1 10	5 44	6 2	11 15	1 10	5 44	6 2						
5 46	1	morn.	2 17	5 46	1	morn.	2 17	5 45	6 1	morn.	2 17	5 45	6 1	morn.	2 17	5 45	6 1						
5 47	5 59	0 21	3 27	5 47	5 59	0 21	3 27	5 46	5 59	0 21	3 27	5 46	5 59	0 21	3 27	5 46	5 59						
5 48	5 57	1 34	4 31	5 48	5 57	1 34	4 31	5 47	5 57	1 34	4 31	5 47	5 57	1 34	4 31	5 47	5 57						
5 49	5 55	2 45	5 37	5 49	5 55	2 45	5 37	5 48	5 55	2 45	5 37	5 48	5 55	2 45	5 37	5 48	5 55						
5 50	5 53	3 57	6 33	5 50	5 53	3 57	6 33	5 49	5 53	3 57	6 33	5 49	5 53	3 57	6 33	5 49	5 53						
5 51	5 52	rises.	7 22	5 51	5 52	rises.	7 22	5 50	5 52	rises.	7 22	5 50	5 52	rises.	7 22	5 50	5 52						
5 52	5 50	5 49	8 6	5 52	5 50	5 49	8 6	5 51	5 50	5 49	8 6	5 51	5 50	5 49	8 6	5 51	5 50						
5 53	5 49	6 24	8 51	5 53	5 49	6 24	8 51	5 52	5 49	6 24	8 51	5 52	5 49	6 24	8 51	5 52	5 49						
5 54	5 47	7 44	9 37	5 54	5 47	7 44	9 37	5 53	5 47	7 44	9 37	5 53	5 47	7 44	9 37	5 53	5 47						
5 55	5 45	8 31	10 19	5 55	5 45	8 31	10 19	5 54	5 45	8 31	10 19	5 54	5 45	8 31	10 19	5 54	5 45						

10th MONTH.

OCTOBER, 1863.

31 DAYS.

MOON'S PHASES.		BOSTON.		NEW YORK.		WASH'TON.		CHARLES'N.		Sun on Merid. or noon mark.			
	D.	H.	M.	H.	M.	H.	M.	H.	M.	D.	H.	M.	S.
Third Quarter.....	4	2	37 ev.	2	25 ev.	2	13 ev.	2	2 ev.	1	11	49	42
New Moon	12	1	58 ev.	1	46 ev.	1	31 ev.	1	23 ev.	9	11	47	20
First Quarter	19	3	23 ev.	3	10 ev.	2	53 ev.	2	46 ev.	17	11	45	27
Full Moon	26	1	11 ev.	0	59 ev.	0	47 ev.	0	36 ev.	25	11	44	12

CALENDAR FOR CHARLES'N. NORTH Carolina, Tennessee, Geo., Alabama, Missis., and Louisiana.													
Sun		Sun		Moon		Sun		Moon		Sun		Moon	
Rises.	H. M.	Rises.	H. M.	SETS.	H. M.	Rises.	H. M.	SETS.	H. M.	Rises.	H. M.	SETS.	H. M.
5 54	5 45	8 34	8 49	10 3	5 56	5 44	8 34	8 49	10 3	5 56	5 44	8 34	8 49
5 55	5 44	9 39	9 49	10 51	5 57	5 43	9 24	9 39	10 51	5 58	5 41	10 15	10 15
5 56	5 42	11 23	5 56	5 41	6 0	5 38	11 10	5 38	11 10	6 0	5 38	11 10	5 38
5 57	5 40	12 24	5 57	5 40	6 1	5 37	0 4	6 1	5 37	0 4	6 1	5 37	0 4
5 58	5 38	1 9	5 58	5 38	6 2	5 35	1 1	6 2	5 35	1 1	6 2	5 35	1 1
5 59	5 37	2 6	5 59	5 37	6 3	5 34	1 57	6 3	5 34	1 57	6 3	5 34	1 57
5 59	5 36	2 57	5 59	5 36	6 4	5 32	2 54	6 4	5 32	2 54	6 4	5 32	2 54
6 0	5 35	3 53	6 0	5 35	6 5	5 31	3 53	6 5	5 31	3 53	6 5	5 31	3 53
6 0	5 34	4 51	6 0	5 34	7 0	5 33	sets.	7 0	5 33	sets.	7 0	5 33	sets.
6 1	5 33	5 45	6 1	5 33	8 0	5 32	6 0	8 0	5 32	6 0	5 32	6 0	5 32
6 2	5 31	6 43	6 2	5 31	9 0	5 29	7 32	9 0	5 29	7 32	9 0	5 29	7 32
6 3	5 29	7 32	6 3	5 29	10 0	5 28	8 28	10 0	5 28	8 28	10 0	5 28	8 28
6 4	5 26	8 28	6 4	5 26	11 0	5 26	9 28	11 0	5 26	9 28	11 0	5 26	9 28
6 5	5 24	9 31	6 5	5 24	12 0	5 25	10 31	12 0	5 25	10 31	12 0	5 25	10 31
6 6	5 23	10 31	6 6	5 23	1 0	5 23	11 37	1 0	5 23	11 37	1 0	5 23	11 37
6 7	5 23	11 37	6 7	5 23	2 0	5 22	12 37	2 0	5 22	12 37	2 0	5 22	12 37
6 8	5 22	0 43	6 8	5 22	3 0	5 22	0 36	3 0	5 22	0 36	3 0	5 22	0 36
6 9	5 21	1 49	6 9	5 21	4 0	5 21	1 45	4 0	5 21	1 45	4 0	5 21	1 45
6 10	5 20	2 53	6 10	5 20	5 0	5 20	2 52	5 0	5 20	2 52	5 0	5 20	2 52
6 11	5 19	3 56	6 11	5 19	6 0	5 19	3 59	6 0	5 19	3 59	6 0	5 19	3 59
6 12	5 18	4 59	6 12	5 18	7 0	5 18	5 5	7 0	5 18	5 5	7 0	5 18	5 5
6 13	5 17	5 53	6 13	5 17	8 0	5 17	6 21	8 0	5 17	6 21	8 0	5 17	6 21
6 14	5 16	6 41	6 14	5 16	9 0	5 16	7 15	9 0	5 16	7 15	9 0	5 16	7 15
6 15	5 15	7 24	6 15	5 15	10 0	5 15	8 6	10 0	5 15	8 6	10 0	5 15	8 6
6 16	5 14	8 21	6 16	5 14	11 0	5 14	9 0	11 0	5 14	9 0	11 0	5 14	9 0
6 17	5 13	9 13	6 17	5 13	12 0	5 13	10 0	12 0	5 13	10 0	12 0	5 13	10 0
6 18	5 12	10 0	6 18	5 12	1 0	5 12	11 0	1 0	5 12	11 0	1 0	5 12	11 0
6 19	5 11	10 51	6 19	5 11	2 0	5 11	12 0	2 0	5 11	12 0	2 0	5 11	12 0
6 20	5 10	11 42	6 20	5 10	3 0	5 10	1 0	3 0	5 10	1 0	3 0	5 10	1 0
6 21	5 9	12 37	6 21	5 9	4 0	5 9	2 0	4 0	5 9	2 0	4 0	5 9	2 0
6 22	5 8	1 31	6 22	5 8	5 0	5 8	3 0	5 0	5 8	3 0	5 0	5 8	3 0
6 23	5 7	2 25	6 23	5 7	6 0	5 7	4 0	6 0	5 7	4 0	6 0	5 7	4 0
6 24	5 6	3 18	6 24	5 6	7 0	5 6	5 0	7 0	5 6	5 0	7 0	5 6	5 0
6 25	5 5	4 11	6 25	5 5	8 0	5 5	6 0	8 0	5 5	6 0	8 0	5 5	6 0
6 26	5 4	5 5	6 26	5 4	9 0	5 4	7 0	9 0	5 4	7 0	9 0	5 4	7 0
6 27	5 3	6 41	6 27	5 3	10 0	5 3	8 0	10 0	5 3	8 0	10 0	5 3	8 0
6 28	5 2	7 24	6 28	5 2	11 0	5 2	9 0	11 0	5 2	9 0	11 0	5 2	9 0
6 29	5 1	8 21	6 29	5 1	12 0	5 1	10 0	12 0	5 1	10 0	12 0	5 1	10 0
6 30	0	9 13	6 30	0	1 0	5 0	11 0	1 0	5 0	11 0	1 0	5 0	11 0
6 31	0	10 0	6 31	0	2 0	4 59	12 0	2 0	4 59	12 0	2 0	4 59	12 0

Day of Month.	Day of Week.
1	Th
2	Fr
3	Sa
4	D
5	M
6	Tu
7	W
8	Th
9	Fr
10	Sa
11	D
12	M
13	Tu
14	W
15	Th
16	Fr
17	Sa
18	D
19	M
20	Tu
21	W
22	Th
23	Fr
24	Sa
25	D
26	M
27	Tu
28	W
29	Th
30	Fr
31	Sa

CALENDAR FOR N. YORK CITY: PHILADELPHIA, Conn., New-Jersey, Penna., Ohio, Indiana, and Illinois.													
Sun		Sun		Moon		Sun		Moon		Sun		Moon	
Rises.	H. M.	Rises.	H. M.	SETS.	H. M.	Rises.	H. M.	SETS.	H. M.	Rises.	H. M.	SETS.	H. M.
5 56	5 43	8 29	11 3	5 57	5 42	9 19	11 51	5 58	5 41	10 10	ev. 43	5 59	5 39
5 57	5 42	9 19	11 51	5 58	5 41	10 10	ev. 43	5 59	5 39	11 6	1 34	6 0	5 37
5 58	5 41	10 10	ev. 43	5 59	5 39	11 6	1 34	6 0	5 37	12 0	2 31	6 1	5 36
5 59	5 39	11 6	1 34	6 0	5 37	12 0	2 31	6 1	5 36	1 0	3 24	6 2	5 35
6 0	5 37	12 0	2 31	6 1	5 36	1 0	3 24	6 2	5 35	2 0	4 19	6 3	5 34
6 1	5 36	1 0	3 24	6 2	5 35	2 0	4 19	6 3	5 34	3 0	5 15	6 4	5 33
6 2	5 35	2 0	4 19	6 3	5 34	3 0	5 15	6 4	5 33	4 0	6 0	6 5	5 32
6 3	5 34	3 0	5 15	6 4	5 33	4 0	6 0	6 5	5 32	5 0	6 56	6 6	5 31
6 4	5 33	4 0	6 0	6 5	5 32	5 0	6 56	6 6	5 31	6 0	7 22	6 7	5 30
6 5	5 32	5 0	6 56	6 6	5 31	6 0	7 22	6 7	5 30	7 0	8 18	6 8	5 29
6 6	5 31	6 0	7 22	6 7	5 30	7 0	8 18	6 8	5 29	8 0	9 11	6 9	5 28
6 7	5 30	7 0	8 18	6 8	5 29	8 0	9 11	6 9	5 28	9 0	10 0	6 10	5 27
6 8	5 29	8 0	9 11	6 9	5 28	9 0	10 0	6 10	5 27	10 0	11 0	6 11	5 26
6 9	5 28	9 0	10 0	6 10	5 27	10 0	11 0	6 11	5 26	11 0	12 0	6 12	5 25
6 10	5 27	10 0	11 0	6 11	5 26	11 0	12 0	6 12	5 25	12 0	1 0	6 13	5 24
6 11	5 26	11 0	12 0	6 12	5 25	12 0	1 0	6 13	5 24	1 0	2 0	6 14	5 23
6 12	5 25	12 0	1 0	6 13	5 24	1 0	2 0	6 14	5 23	2 0	3 0	6 15	5 22
6 13	5 24	1 0	2 0	6 14	5 23	2 0	3 0	6 15	5 22	3 0	4 0	6 16	5 21
6 14	5 23	2 0	3 0	6 15	5 22	3 0	4 0	6 16	5 21	4 0	5 0	6 17	5 20
6 15	5 22	3 0	4 0	6 16	5 21	4 0	5 0	6 17	5 20	5 0	6 0	6 18	5 19
6 16	5 21	4 0	5 0	6 17	5 20	5 0	6 0	6 18	5 19	6 0	7 0	6 19	5 18
6 17	5 20	5 0	6 0	6 18	5 19	6 0	7 0	6 19	5 18	7 0	8 0	6 20	5 17
6 18	5 19	6 0	7 0	6 19	5 18	7 0	8 0	6 20	5 17	8 0	9 0	6 21	5 16
6 19	5 18	7 0	8 0	6 20	5 17	8 0	9 0	6 21	5 16	9 0	10 0	6 22	5 15
6 20	5 17	8 0	9 0	6 21	5 16	9 0	10 0	6 22	5 15	10 0	11 0	6 23	5 14
6 21	5 16	9 0	10 0	6 22	5 15	10 0	11 0	6 23	5 14	11 0	12 0	6 24	5 13
6 22	5 15	10 0	11 0	6 23	5 14	11 0	12 0	6 24	5 13	12 0	1 0	6 25	5 12
6 23	5 14	11 0	12 0	6 24	5 13	12 0	1 0	6 25	5 12	1 0	2 0	6 26	5 11
6 24	5 13	12 0	1 0	6 25	5 12	1 0	2 0	6 26	5 11	2 0	3 0	6 27	5 10
6 25	5 12	1 0	2 0	6 26	5 11	2 0	3 0	6 27	5 10	3 0	4 0	6 28	5 9
6 26	5 11	2 0	3 0	6 27	5 10	3 0	4 0	6 28	5 9	4 0	5 0	6 29	5 8
6 27	5 10	3 0	4 0	6 28	5 9	4 0	5 0	6 29	5 8	5 0	6 0	6 30	5 7
6 28	5 9	4 0	5 0	6 29	5 8	5 0	6 0	6 30	5 7	6 0	7 0	6 31	5 6
6 29	5 8	5 0	6 0	6 30	5 7	6 0	7 0	6 31	5 6	7 0	8 0	6 32	5 5
6 30	5 7	6 0	7 0	6 31	5 6	7 0	8 0	6 32	5 5	8 0	9 0	6 33	5 4
6 31	5 6	7 0	8 0	6 32	5 5	8 0	9 0	6 33	5 4	9 0	10 0	6 34	5 3

CALENDAR FOR BOSTON: NEW ENGL- and, New York State, Michigan, Wisconsin, Iowa, and Oregon.													
Day of Month.	Day of Week.	Sun's decl. &c.	SUN RISES.		MOON RISES.		Jl. W. BOSTON						
			H. M.	H. M.	H. M.	H. M.							
1	Th	3 10 41	5 56 5	43 8	25	2 17							
2	Fr	3 33 59	5 57 5	42 9	14	3 5							
3	Sa	3 57 14	5 58 5	40 10	6	3 57							
4	So	4 20 27	5 59 5	39 11	2	4 48							
5	M	4 43 46	6 15 38	11 57	5 45								
6	Tu	5 6 43	6 25 36	morn.	6 38								
7	W	5 29 55	6 35 34	0 56	7 33								
8	Th	5 52 44	6 45 33	1 53	8 21								
9	Fr	6 15 37	6 55 31	2 53	9 10								
10	Sa	6 38 16	6 65 29	3 53	9 55								
11	So	7 1 10	6 85 28	4 55	10 36								
12	M	7 23 48	6 95 26	sets.	11 17								
13	Tu	7 46 20	6 105 24	5 43	11 59								
14	W	8 8 45	6 115 22	6 22	morn.								
15	Th	8 31 3	6 125 20	7 8	0 45								
16	Fr	8 53 15	6 135 19	8 3	1 32								
17	Sa	9 15 18	6 145 17	9 3	2 20								
18	So	9 37 14	6 155 16	10 10	3 16								
19	M	9 59 0	6 175 14	11 20	4 15								
20	Tu	10 20 39	6 185 13	morn.	5 18								
21	W	10 42 8	6 195 11	0 31	6 24								
22	Th	11 3 27	6 215 10	1 43	7 27								
23	Fr	11 24 36	6 225 8	2 51	8 26								
24	Sa	11 45 35	6 235 7	4 1	9 20								
25	So	12 6 23	6 245 5	5 9	10 11								
26	M	12 27 1	6 255 4	rises.	10 55								
27	Tu	12 47 26	6 275 2	5 32	11 38								
28	W	13 7 40	6 285 1	6 18	ev. 25								
29	Th	13 27 41	6 295 0	7 5	1 10								
30	Fr	13 47 30	6 314 58	7 57	1 52								
31	Sa	14 7 5	6 324 57	8 51	2 36								

11th MONTH. NOVEMBER, 1863. 30 DAYS.

CALENDAR FOR WASHINGTON, D. C. Mary P., Virg'n, Kent, Alabama, Missis- sippi, and Louisiana.											
Day of Month.	Day of Week.	SUN	SUN	MOON	H. W.	CH. TON.	SUN	SUN	MOON	H. W.	CH. TON.
		RISES.	SETS.	RISES.	R. M.	M.	RISES.	SETS.	RISES.	R. M.	M.
1	D	6 27 5	1	9 55	1	10	6 16 5	11	10	7	11 10
2	M	6 28 5	0	10 50	2	11 58	6 17 5	10	10 59	11	58
3	Tu	6 29 4	59	11 45	3	ev. 48	6 18 5	9	11 52	ev.	48
4	W	6 30 4	58	morn.	4	1 38	6 19 5	8	morn.	1	38
5	Th	6 31 4	57	0 43	5	2 30	6 20 5	8	0 47	2	30
6	Fr	6 32 4	56	1 40	6	3 22	6 21 5	7	1 41	3	22
7	Sa	6 33 4	55	2 38	7	4 11	6 22 5	6	2 36	4	11
8	D	6 34 4	54	3 38	8	5 2	6 23 5	5	3 33	5	2
9	M	6 36 4	53	4 43	9	5 52	6 24 5	4	4 35	5	52
10	Tu	6 37 4	52	5 48	10	6 40	6 25 5	3	5 37	6	40
11	W	6 39 4	51	sets.	11	7 24	6 26 5	3	sets.	7	24
12	Th	6 40 4	50	6 3	12	8 17	6 27 5	2	6 18	8	17
13	Fr	6 41 4	49	7 5	13	9 8	6 28 5	1	7 20	9	8
14	Sa	6 42 4	48	8 9	14	9 56	6 29 5	1	8 22	9	56
15	D	6 43 4	47	9 18	15	10 51	6 30 5	0	9 29	10	51
16	M	6 44 4	46	10 28	16	11 48	6 31 4	59	10 36	11	48
17	Tu	6 45 4	46	11 35	17	morn.	6 32 4	59	11 41	morn.	
18	W	6 46 4	45	morn.	18	0 45	6 33 4	58	morn.	0	45
19	Th	6 47 4	44	0 45	19	1 46	6 34 4	58	0 47	1	46
20	Fr	6 48 4	44	1 49	20	2 45	6 35 4	57	1 47	2	45
21	Sa	6 49 4	43	2 51	21	3 42	6 36 4	57	2 50	3	42
22	D	6 50 4	42	3 58	22	4 38	6 37 4	56	3 50	4	38
23	M	6 51 4	42	5 1	23	5 31	6 38 4	56	4 51	5	31
24	Tu	6 52 4	41	6 2	24	6 20	6 39 4	56	5 49	6	20
25	W	6 53 4	41	ris.	25	7 3	6 39 4	55	ris.	7	3
26	Th	6 54 4	41	5 56	26	8 48	6 40 4	55	6 11	7	48
27	Fr	6 55 4	41	6 50	27	9 30	6 41 4	55	7 4	8	30
28	Sa	6 56 4	40	7 44	28	10 16	6 42 4	55	7 57	9	16
29	D	6 57 4	40	8 40	29	10 53	6 43 4	55	8 51	9	53
30	M	6 58 4	40	9 35	30	11 36	6 44 4	55	9 43	10	36

CALENDAR FOR NEW YORK CITY, N. Y. New York State, New Jersey, Penn'a, Ohio, Indiana, and Illinois.											
Day of Month.	Day of Week.	SUN	SUN	MOON	H. W.	N. Y. ORK.	SUN	SUN	MOON	H. W.	N. Y. ORK.
		RISES.	SETS.	RISES.	R. M.	M.	RISES.	SETS.	RISES.	R. M.	M.
1	D	6 29 4	59	9 51	ev.	10	6 29 4	59	9 51	ev.	10
2	M	6 30 4	58	10 47	0	58	6 30 4	58	10 47	0	58
3	Tu	6 31 4	57	11 43	1	48	6 31 4	57	11 43	1	48
4	W	6 32 4	56	morn.	2	38	6 32 4	56	morn.	2	38
5	Th	6 33 4	55	0 41	3	30	6 33 4	55	0 41	3	30
6	Fr	6 34 4	53	1 39	4	22	6 34 4	53	1 39	4	22
7	Sa	6 36 4	52	2 38	5	11	6 36 4	52	2 38	5	11
8	D	6 38 4	50	3 40	6	2	6 38 4	50	3 40	6	2
9	M	6 39 4	49	4 45	7	52	6 39 4	49	4 45	7	52
10	Tu	6 40 4	48	5 52	8	7 40	6 40 4	48	5 52	8	7 40
11	W	6 41 4	47	sets.	9	8 24	6 41 4	47	sets.	9	8 24
12	Th	6 43 4	46	5 58	9	17	6 43 4	46	5 58	9	17
13	Fr	6 44 4	45	7 0	10	8	6 44 4	45	7 0	10	8
14	Sa	6 45 4	44	8 4	10	56	6 45 4	44	8 4	10	56
15	D	6 47 4	43	9 15	11	51	6 47 4	43	9 15	11	51
16	M	6 48 4	42	10 25	morn.		6 48 4	42	10 25	morn.	
17	Tu	6 49 4	41	11 35	0	48	6 49 4	41	11 35	0	48
18	W	6 50 4	40	morn.	1	45	6 50 4	40	morn.	1	45
19	Th	6 51 4	40	0 45	2	46	6 51 4	40	0 45	2	46
20	Fr	6 52 4	39	1 49	3	45	6 52 4	39	1 49	3	45
21	Sa	6 54 4	38	2 56	4	42	6 54 4	38	2 56	4	42
22	D	6 55 4	38	4 1	5	38	6 55 4	38	4 1	5	38
23	M	6 56 4	37	5 5	6	31	6 56 4	37	5 5	6	31
24	Tu	6 57 4	36	6 7	7	20	6 57 4	36	6 7	7	20
25	W	6 58 4	36	ris.	8	3	6 58 4	36	ris.	8	3
26	Th	6 59 4	35	5 51	8	48	6 59 4	35	5 51	8	48
27	Fr	7 0 4	34	6 45	9	30	7 0 4	34	6 45	9	30
28	Sa	7 1 4	34	7 40	10	16	7 1 4	34	7 40	10	16
29	D	7 2 4	33	8 37	10	53	7 2 4	33	8 37	10	53
30	M	7 2 4	33	9 32	11	36	7 2 4	33	9 32	11	36

CALENDAR FOR BOSTON, NEW ENG- land, New York State, Michigan, Wisconsin, Iowa, and Oregon.											
Day of Month.	Day of Week.	SUN	SUN	MOON	H. W.	BOSTON.	SUN	SUN	MOON	H. W.	BOSTON.
		RISES.	SETS.	RISES.	R. M.	M.	RISES.	SETS.	RISES.	R. M.	M.
1	D	6 33 4	55	9 48	3	24	6 33 4	55	9 48	3	24
2	M	6 34 4	54	10 44	4	12	6 34 4	54	10 44	4	12
3	Tu	6 35 4	53	11 41	5	2	6 35 4	53	11 41	5	2
4	W	6 36 4	52	morn.	6	52	6 36 4	52	morn.	6	52
5	Th	6 37 4	50	0 40	6	44	6 37 4	50	0 40	6	44
6	Fr	6 39 4	49	1 39	7	36	6 39 4	49	1 39	7	36
7	Sa	6 40 4	48	2 39	8	25	6 40 4	48	2 39	8	25
8	D	6 41 4	47	3 41	9	16	6 41 4	47	3 41	9	16
9	M	6 43 4	45	4 48	10	6	6 43 4	45	4 48	10	6
10	Tu	6 44 4	44	5 55	10	54	6 44 4	44	5 55	10	54
11	W	6 45 4	43	sets.	11	38	6 45 4	43	sets.	11	38
12	Th	6 47 4	42	5 54	morn.		6 47 4	42	5 54	morn.	
13	Fr	6 48 4	41	6 55	0	30	6 48 4	41	6 55	0	30
14	Sa	6 49 4	40	8 0	1	22	6 49 4	40	8 0	1	22
15	D	6 51 4	39	9 11	2	10	6 51 4	39	9 11	2	10
16	M	6 52 4	38	10 23	3	5	6 52 4	38	10 23	3	5
17	Tu	6 53 4	37	11 34	4	2	6 53 4	37	11 34	4	2
18	W	6 54 4	36	morn.	4	59	6 54 4	36	morn.	4	59
19	Th	6 55 4	36	0 41	6	0	6 55 4	36	0 41	6	0
20	Fr	6 56 4	35	1 49	6	59	6 56 4	35	1 49	6	59
21	Sa	6 58 4	34	2 58	7	56	6 58 4	34	2 58	7	56
22	D	6 59 4	33	4 2	8	52	6 59 4	33	4 2	8	52
23	M	7 0 4	33	5 8	9	45	7 0 4	33	5 8	9	45
24	Tu	7 1 4	32	6 11	10	34	7 1 4	32	6 11	10	34
25	W	7 2 4	31	ris.	11	17	7 2 4	31	ris.	11	17
26	Th	7 3 4	31	5 47	ev.	2	7 3 4	31	5 47	ev.	2
27	Fr	7 4 4	30	6 41	0	44	7 4 4	30	6 41	0	44
28	Sa	7 5 4	29	7 36	1	30	7 5 4	29	7 36	1	30
29	D	7 6 4	29	8 34	2	7	7 6 4	29	8 34	2	7
30	M	7 7 4	29	9 30	2	50	7 7 4	29	9 30	2	50

12th MONTH.

DECEMBER, 1863.

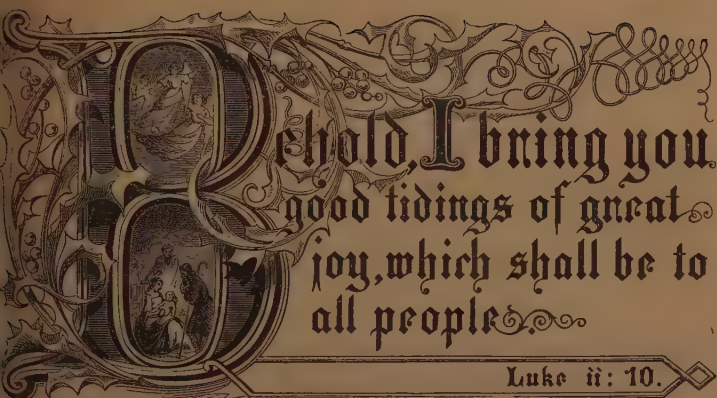
31 DAYS.

MOON'S PHASES.				BOSTON.	NEW YORK.	WASH'TON.	CHARLES N.	Sun on Merid or noon mark			
	D.	H.	M.	H.	M.	H.	M.	D.	H.	M.	M.
Third Quarter	3	7	33 mo.	7	18 mo.	7	6 mo.	6	54 mo.	1	11 49 13
New Moon	10	3	39 ev.	3	27 ev.	3	15 ev.	3	4 ev.	9	11 52 3
First Quarter	17	7	2 mo.	6	50 mo.	6	37 mo.	6	26 mo.	17	11 56 22
Full Moon	21	10	6 ev.	9	54 ev.	9	42 ev.	9	30 ev.	25	12 0 19

CALENDAR FOR CHARLES N. NORTH											
Calvin, Tennessee, Geo., Alabama, Mississippi, and Louisiana.											
SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.
RISES.	SETS.	RISES.	CHITON.	RISES.	SETS.	RISES.	CHITON.	RISES.	SETS.	RISES.	CHITON.
H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
6 44	4 53	10 36	11 19	6 44	4 53	10 36	11 19	6 44	4 53	10 36	11 19
6 45	4 55	11 20	ev. 4	6 45	4 55	11 20	ev. 4	6 45	4 55	11 20	ev. 4
6 45	4 55	morn. 0 51		6 45	4 55	morn. 0 51		6 45	4 55	morn. 0 51	
6 46	4 55	0 23	1 40	6 46	4 55	0 23	1 40	6 46	4 55	0 23	1 40
6 47	4 55	1 15	2 34	6 47	4 55	1 15	2 34	6 47	4 55	1 15	2 34
6 48	4 55	2 17	3 28	6 48	4 55	2 17	3 28	6 48	4 55	2 17	3 28
6 48	4 55	3 18	4 27	6 48	4 55	3 18	4 27	6 48	4 55	3 18	4 27
6 49	4 55	4 20	5 23	6 49	4 55	4 20	5 23	6 49	4 55	4 20	5 23
6 50	4 55	5 25	6 18	6 50	4 55	5 25	6 18	6 50	4 55	5 25	6 18
6 51	4 56	sets.	7 9	6 51	4 56	sets.	7 9	6 51	4 56	sets.	7 9
6 52	4 56	6 6	8 4	6 52	4 56	6 6	8 4	6 52	4 56	6 6	8 4
6 52	4 56	7 14	8 56	6 52	4 56	7 14	8 56	6 52	4 56	7 14	8 56
6 53	4 56	8 23	9 45	6 53	4 56	8 23	9 45	6 53	4 56	8 23	9 45
6 54	4 56	9 31	10 34	6 54	4 56	9 31	10 34	6 54	4 56	9 31	10 34
6 54	4 56	10 37	11 27	6 54	4 56	10 37	11 27	6 54	4 56	10 37	11 27
6 55	4 57	11 41	morn.	6 55	4 57	11 41	morn.	6 55	4 57	11 41	morn.
6 55	4 57	morn. 0 22		6 55	4 57	morn. 0 22		6 55	4 57	morn. 0 22	
6 56	4 57	0 43	1 18	6 56	4 57	0 43	1 18	6 56	4 57	0 43	1 18
6 56	4 58	1 45	2 15	6 56	4 58	1 45	2 15	6 56	4 58	1 45	2 15
6 57	4 58	2 44	3 16	6 57	4 58	2 44	3 16	6 57	4 58	2 44	3 16
6 57	4 58	3 43	4 13	6 57	4 58	3 43	4 13	6 57	4 58	3 43	4 13
6 58	4 59	4 40	5 7	6 58	4 59	4 40	5 7	6 58	4 59	4 40	5 7
6 58	4 59	5 34	5 58	6 58	4 59	5 34	5 58	6 58	4 59	5 34	5 58
6 59	5 0	rises.	6 43	6 59	5 0	rises.	6 43	6 59	5 0	rises.	6 43
6 59	5 0	5 49	7 24	6 59	5 0	5 49	7 24	6 59	5 0	5 49	7 24
7 0	5 1	6 42	8 8	7 0	5 1	6 42	8 8	7 0	5 1	6 42	8 8
7 0	5 2	7 36	8 48	7 0	5 2	7 36	8 48	7 0	5 2	7 36	8 48
7 1	5 3	8 29	9 24	7 1	5 3	8 29	9 24	7 1	5 3	8 29	9 24
7 1	5 3	9 21	10 2	7 1	5 3	9 21	10 2	7 1	5 3	9 21	10 2
7 2	5 4	10 15	10 41	7 2	5 4	10 15	10 41	7 2	5 4	10 15	10 41
7 2	5 5	11 8	11 23	7 2	5 5	11 8	11 23	7 2	5 5	11 8	11 23

CALENDAR FOR WASHINGTON											
Mary's, Virg., Ken'y, Missour, and California.											
SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.
RISES.	SETS.	RISES.	CHITON.	RISES.	SETS.	RISES.	CHITON.	RISES.	SETS.	RISES.	CHITON.
H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
6 59	4 40	10 31		6 59	4 40	10 31		6 59	4 40	10 31	
7 0	4 39	11 26		7 0	4 39	11 26		7 0	4 39	11 26	
7 0	4 39	morn. 0 21		7 0	4 39	morn. 0 21		7 0	4 39	morn. 0 21	
7 2	4 38	0 21	1 18	7 2	4 38	0 21	1 18	7 2	4 38	0 21	1 18
7 3	4 38	1 15	2 34	7 3	4 38	1 15	2 34	7 3	4 38	1 15	2 34
7 4	4 38	2 24	3 28	7 4	4 38	2 24	3 28	7 4	4 38	2 24	3 28
7 5	4 38	3 27	4 27	7 5	4 38	3 27	4 27	7 5	4 38	3 27	4 27
7 6	4 38	4 32	5 23	7 6	4 38	4 32	5 23	7 6	4 38	4 32	5 23
7 7	4 38	5 39	6 18	7 7	4 38	5 39	6 18	7 7	4 38	5 39	6 18
7 8	4 38	sets.	7 9	7 8	4 38	sets.	7 9	7 8	4 38	sets.	7 9
7 9	4 38	5 51	8 4	7 9	4 38	5 51	8 4	7 9	4 38	5 51	8 4
7 10	4 38	6 6	9 45	7 10	4 38	6 6	9 45	7 10	4 38	6 6	9 45
7 11	4 39	8 14	10 34	7 11	4 39	8 14	10 34	7 11	4 39	8 14	10 34
7 12	4 39	9 25	11 27	7 12	4 39	9 25	11 27	7 12	4 39	9 25	11 27
7 13	4 39	10 34		7 13	4 39	10 34		7 13	4 39	10 34	
7 14	4 40	morn. 0 22		7 14	4 40	morn. 0 22		7 14	4 40	morn. 0 22	
7 15	4 40	0 47	1 18	7 15	4 40	0 47	1 18	7 15	4 40	0 47	1 18
7 16	4 40	1 52	2 15	7 16	4 40	1 52	2 15	7 16	4 40	1 52	2 15
7 17	4 41	2 54	3 16	7 17	4 41	2 54	3 16	7 17	4 41	2 54	3 16
7 18	4 41	3 55	4 13	7 18	4 41	3 55	4 13	7 18	4 41	3 55	4 13
7 19	4 42	4 55	5 7	7 19	4 42	4 55	5 7	7 19	4 42	4 55	5 7
7 20	4 42	5 49	5 58	7 20	4 42	5 49	5 58	7 20	4 42	5 49	5 58
7 21	4 43	rises.	6 43	7 21	4 43	rises.	6 43	7 21	4 43	rises.	6 43
7 22	4 43	5 36	7 24	7 22	4 43	5 36	7 24	7 22	4 43	5 36	7 24
7 23	4 44	6 31	8 8	7 23	4 44	6 31	8 8	7 23	4 44	6 31	8 8
7 24	4 45	7 27	8 48	7 24	4 45	7 27	8 48	7 24	4 45	7 27	8 48
7 25	4 45	8 22	9 24	7 25	4 45	8 22	9 24	7 25	4 45	8 22	9 24
7 26	4 46	9 18	10 2	7 26	4 46	9 18	10 2	7 26	4 46	9 18	10 2
7 27	4 47	10 14	10 41	7 27	4 47	10 14	10 41	7 27	4 47	10 14	10 41
7 28	4 48	11 11	11 23	7 28	4 48	11 11	11 23	7 28	4 48	11 11	11 23

CALENDAR FOR N. YORK CITY; PHILADELPHIA; CONN., N. J., Jersey, Penn'a., Ohio, Indiana, and Illinois.											
SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.	SUN	SUN	MOON	H. W.
RISES.	SETS.	RISES.	N. J.	RISES.	SETS.	RISES.	N. J.	RISES.	SETS.	RISES.	N. J.
H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
7 5	4 34	10 29	ev. 19	7 5	4 34	10 29	ev. 19	7 5	4 34	10 29	ev. 19
7 6	4 34	11 25	1 4	7 6	4 34	11 25	1 4	7 6	4 34	11 25	1 4
7 7	4 34	morn.	1 51	7 7	4 34	morn.	1 51	7 7	4 34	morn.	1 51
7 8	4 33	0 24	2 40	7 8	4 33	0 24	2 40	7 8	4 33	0 24	2 40
7 9	4 33	1 19	3 34	7 9	4 33	1 19	3 34	7 9	4 33	1 19	3 34
7 10	4 33	2 26	4 28	7 10	4 33	2 26	4 28	7 10	4 33	2 26	4 28
7 11	4 33	3 30	5 27	7 11	4 33	3 30	5 27	7 11	4 33	3 30	5 27
7 12	4 33	4 36	6 23	7 12	4 33	4 36	6 23	7 12	4 33	4 36	6 23
7 13	4 33	5 44	7 18	7 13	4 33	5 44	7 18	7 13	4 33	5 44	7 18
7 14	4 33	sets.	8 9	7 14	4 33	sets.	8 9	7 14	4 33	sets.	8 9
7 15	4 33	5 47	9 4	7 15	4 33	5 47	9 4	7 15	4 33	5 47	9 4
7 16	4 33	6 57	9 56	7 16	4 33	6 57	9 56	7 16	4 33	6 57	9 56
7 17	4 33	8 11	10 45	7 17	4 33	8 11	10 45	7 17	4 33	8 11	10 45
7 18	4 34	9 23	11 34	7 18	4 34	9 23	11 34	7 18	4 34	9 23	11 34
7 19	4 34	10 33	morn.	7 19	4 34	10 33	morn.	7 19	4 34	10 33	morn.
7 20	4 34	11 42	0 27	7 20	4 34	11 42	0 27	7 20	4 34	11 42	0 27
7 21	4 34	morn.	1 22	7 21	4 34	morn.	1 22	7 21	4 34	morn.	1 22
7 22	4 35	0 48	2 18	7 22	4 35	0 48	2 18	7 22	4 35	0 48	2 18
7 23	4 35	1 54	3 15	7 23	4 35	1 54	3 15	7 23	4 35	1 54	3 15
7 24	4 36	2 57	4 16	7 24	4 36	2 57	4 16	7 24	4 36	2 57	4 16
7 25	4 36	4 0	5 13	7 25	4 36	4 0	5 13	7 25	4 36	4 0	5 13
7 26	4 37	4 59	6 7	7 26	4 37	4 59	6 7	7 26	4 37	4 59	6 7
7 27	4 37	5 54	6 58	7 27	4 37	5 54	6 58	7 27	4 37	5 54	6 58
7 28	4 38	rises.	7 43	7 28	4 38	rises.	7 43	7 28	4 38	rises.	7 43
7 29	4 38	5 31	8 24	7 29	4 38	5 31	8 24	7 29	4 38	5 31	8 24
7 30	4 39	6 27	9 8	7 30	4 39	6 27	9 8	7 30	4 39	6 27	9 8
7 31	4 39	7 24	9 48	7 31	4 39	7 24	9 48	7 31	4 39	7 24	9 48
7 32	4 40	8 20	10 24	7 32	4 40	8 20	10 24	7 32	4 40	8 20	10 24
7 33	4 41	9 16	11 2	7 33	4 41	9 16	11 2	7 33	4 41	9 16	11 2
7 34	4 41	10 13	11 41	7 34	4 41	10 13	11 41	7 34	4 41	10 13	11 41
7 35	4 41	11 11	ev. 23	7 35	4 41	11 11	ev. 23	7 35	4 41	11 11	ev. 23



Luke ii: 10.

To you this night is born a child
Of Mary, chosen mother mild.
This little child of lowly birth
Shall be the joy of all your earth.

'Tis Christ our God, who far on high
Hath heard your sad and bitter cry;
Himself will your salvation be,
Himself from sin will make you free.

He brings those blessings long ago
Prepared by God for all below;
Henceforth his kingdom open stands,
To you as to the angel bands.

These are the tokens ye shall mark—
The swaddling clothes and manger dark:
There shall ye find the young child laid,
By whom the heavens and earth are made. A quiet chamber kept for thee.

Now let us all with gladsome cheer
Follow the shepherds, and draw near
To see this wondrous gift of God,
Who hath his only Son bestowed.

Give heed, my heart; lift up thine eyes:
Who is it in yon manger lies?
Who is this child so young and fair?
The blessed Christ-child lieth there.

Welcome to earth, thou noble guest,
Through whom e'en wicked men are blest.
Thou com'st to share our misery.
What can we render, Lord, to thee?

Ah, Lord, who hast created all,
How hast thou made thee weak and small,
That thou must choose thy infant bed
Where ass and ox but lately fed!

Thus hath it pleased thee to make plain
The truth to us, poor fools and vain,
That this world's honor, wealth, and might
Are naught and worthless in thy sight.

Ah, dearest Jesus, holy child,
Make thee a bed, soft, undefiled,
Within my heart, that it may be
A quiet chamber kept for thee.

My heart for very joy doth leap,
My lips no more can silence keep;
I too must sing with joyful tongue
That sweetest ancient cradle-song—

Glory to God in highest heaven,
Who unto man his Son hath given;
While angels sing with pious mirth
A glad New-year to all the earth!

EVERY year is a *new* year, every day a *new* day, every life a *new* life—
like nothing that ever went before, or can ever follow after. The rocks
and quicksands are shifting. He who enters upon the ocean of existence

arches his sails to an untried breeze. No books, no systems, no forecast of rules can provide for every case, for every case is a new case.

And we must meet life's unforeseen difficulties and unexpected disasters by that inexhaustible fertility of invention which belongs to those who live to God *first-hand*.

A VERY LITTLE WAY.

What a world of mystery is this in which we live. I strain my eyes and yet the sight reaches but a very little way; but within the compass of that little, I see God working in every thing for the good of those that love him. I see a purpose winding round and embracing all our friends and all our comforts, constantly shifting and changing the scenes as they move before the eye; it crosses my path, takes my precious things, and fills the heart with sorrow; yet when I say, "Let me talk with Thee of thy judgments," I only hear, "Be still; what I do thou knowest not now, but thou shalt know hereafter." Shall I be satisfied and rejoice; or shall I be cast down and despairing?

From an unpublished letter.

"REFORM

Is not joyous, but grievous. No single man can reform himself without *stern suffering* and *stern working*; how much less can a nation of men. The serpent sheds not its old skin without writhings; he is not happy, but miserable. Reforming a nation is tremendous business. So says Carlyle. And there is no royal road to reform any more than in other noble and beneficent careers; the imperial or the kingly philanthropist must take up his cross, like any peasant or beggar. Whoever will dare be just, wise, humane, conscientious beyond the average of his contemporaries, will soon discover that he has brought not peace on the earth but a sword, and must, like the great Captain of our salvation, be made perfect through suffering.

THE QUALITY OF OUR READING.

So much news-reading, story-reading, and reading for the mere luxury of feeling, as is practised by our people, is about as bad as no reading at all. It is distracting, dissipating, and enervating to the mind. It is like a tree growing all to bark, or all to leaves, to insure its toppling over by its own weight, for the lack of solid timber to give it support.

"Thy Marahs as well as thy Elims are appointed by God. A gracious pillar-cloud is before thee. He may 'lead thee about,' but he will not lead thee wrong. 'Blessed be his name,' said a tried believer, 'He maketh my feet like hinds' feet,' (literally, 'equalleth them.') He equalleth them for every precipice, every ascent, every leap."



THE DRINKING FOUNTAIN.

A few years ago, a young man in Liverpool, passing and repassing a stand where the horses and donkeys of the market-men were in the habit of stopping, was much struck with their appearance; *they looked thirsty*, and no water was gurgling anywhere in the dry and dusty thoroughfares of the busy city. If the beasts thus suffer, so their masters; so hundreds of working-men; so children, and so the dogs. A drink of cold water is a simple want, and yet how pressing.

Mr. Melly asked if the want could not be supplied; nay, *ought it not*

to be? He often spoke of it to one and another, and at last petitioned the city authorities, who, of course, laid the matter on the table. Not dampened, for Mr. Melly had counted the cost, he renewed his exertions and after many delays got leave to open a public fountain at his own expense. It was a small affair, if the supply of pure cold water to man and beast choking with thirst can ever be accounted small; but it proved the reality of the want beyond a doubt; the dipper was seldom idle; men, women, and children waited their turn at the refreshing draught. This was the beginning of the drinking-fountain movement in England, which experience has shown to be one of the most important sanitary measures of the times.

The thing almost immediately commended itself to public favour. Fountains began to be erected on suitable sites in all the large cities. Eighty-five have been built in London, and two hundred at least are needed; and to show how *largely* they meet a great public want, a fountain having lately been opened next the Royal Exchange, it is estimated that six thousand people daily get water there.

Sometimes they are built by individual beneficence. Miss Burdett Coutts has erected one. Sometimes by the town corporation, like that in the picture, at Salford. Sometimes by the subscriptions of working-men, who have a feeling sense of their benefit, for they save many a brother from the beer-pot and the ale-house.

Earl Russell has just opened one, inscribed, "Earl Russell's Drinking Fountain;" nor can that be an empty distinction which links itself to the family welfare and daily comforts of humble life.

A FOUNTAIN overflowing with sparkling water, pure, free, constant, priceless; no wonder the prophet Zechariah likened the *best* thing the world ever had to one. The salvation brought us by Christ is called a "fountain opened for sin and all uncleanness"—a "fountain of living waters." Oh, may we bathe in it and be cleansed; may we drink of it and never thirst.

A FAMOUS DRINKING CLUB,

Which once had great influence at the local elections, says the Liverpool Albion, is broken up. Two of its members were sent to a lunatic asylum, one jumped from a window and killed himself, one walked or fell into the water at night and was drowned, one was found dead in a public house, one died of delirium tremens, upwards of ten became bankrupt, four died ere they had lived half their days. One, who was a bailiff when connected with this club, is at present keeping a low public-house. The end thereof is death.

HASTY people drink the wine of life scalding hot.



Among the hills of New Hampshire there was a noble farm, whose thriving cornfields were the pride of the neighborhood. The farmer was a rich man, and his fine barns, granaries, wood-piles, and well-kept fences showed that he looked well to his business: he was rich also in a warm heart; for, having no children of his own, he and his excellent wife took one little motherless child after another to their hearts and home, until six adopted children sat at their table and filled their house

with gladness. Nor did their riches end here. He had a treasure laid up in heaven. The farmer was rich in faith, and his pious example shone with a beautiful light all around. The little church not far off loved and honored him, and made him one of its officers. The people loved and honored him, and appointed him selectman of the village. A useful and happy life was his.

Time went by with its changes, and some it brought to the deacons. His children one by one married and settled. At last his wife died, the companion of forty years, and he was left alone. Old age had crept on, and he began to need the affectionate care which, in other days, he had so freely given to others. A son invited him to make his house his home; and friends invited him to go and spend the rest of his days in that ease and comfort which he could so well afford. It was hard to say "the old place;" but he could do what seemed best, since, loving it as he did, he looked forward to that sweeter rest which remains for the people of God beyond the grave. It was a sorrowful day to the little church when the good man took his leave, and his seat was empty in the pew.

In a few years the son failed in business, and the failure swept away the largest half of the old man's property. Other losses followed in quick wake, and like Job, he was well-nigh stripped of every thing. Scarcely enough was left for his daily bread. Unwilling to be a burden, he yearned for his early home, and only wished he might end his days there. Back he travelled to his native village. He knocked at the old farm gate, and begged for lodgings beneath the old farm roof. The young farmer welcomed him welcome. A bargain was struck, and the old man became a hired servant where he was once the master. But no complaint of a "hard lot" ever fell from his lips. A sweet content filled his soul. Morning, midday, and evening snatches of prayer and praise floated from his bedroom into the kitchen and over the green, catching the ears of the young farmer and his wife, who often stopped and hearkened to the strain.

But what could the old man do? He could no longer swing the axe, handle the hoe, or turn the furrow as he once had. The hard, rough work of life must be done by stronger hands than his. Ah, there was work to be done, precious work, that he could do. *There were little children to be watched and tended*, and a burdened mother to relieve. And before many months it was plain how their little hands and hearts were stretched lovingly towards him, and even baby chirped more cheerily in his arms. It was a touching sight to see him on the log under the old beech-tree, one in his bosom, another hugging his knees, a third kneeling at his side, listening with eager face to "little Moses hid in the bulrushes," or "Samuel hearkening to God," or the "mocking children ate up the bears," or that "sweet story of old," the infant Jesus in the manger, the own blessed Saviour. The old man was never tired of these labors.

ove. And do you think the father and mother could help hearing what pleased their children so? No, no. His good words, and simple godly talk sunk into their hearts as well as the children's, like small seeds into the bosom of the earth.

"Oh," sighed the young mother in her innermost heart, "I want to be like that good man."

"That's the religion for me," said the strong farmer, thinking of it over his plough. Then they asked him to come and pray with them. And the good deacon fetched out his old family Bible, and set up the family altar once more, as it used to be under the old roof in his day.

And this pleased God, and he sent his Holy Spirit down into the little household: Jesus was there; and the young farmer and his wife sought Jesus, and found him; and by and by they united with the little church hard by. Then they called the old man "father," and the little ones called him "dear grandfather," and he had the best seat in the chimney corner, and nothing was too good for him to have.

Because, you observe, when "hard times" came to him, as they have come to hundreds and thousands in our land this year, he did not grumble and complain, or lose faith and get discouraged; he did just what David tells us to do, "*Trust in the Lord and do good, so shalt thou dwell in the land, and verily thou shalt be fed.*" And didn't he find it true?

H. C. K.

HOW TO DO GOOD.

It is not by a few, fragmentary, or occasionally great and brilliant efforts that Christ's work is to be done, but by those influences, *indirect* as well as positive, which distil from a *life*. Patient, earnest Christian labor *never fails*. Its results may be unostentatious, moulding, reforming, vitalizing the character, unrecognized perhaps by the dim spiritual eye of the world, but not unseen or unblest by Christ himself, for whose dear sake it had been wrought.

THE TRUE END.

Whoever aspires after being so united to God as to be one spirit with him, must resolve to do all things with this sole view—to *please God*. This I purpose, this I forbear, this I undertake, this I do, this I suffer, in obedience to the will of God. This should be our express purpose at all times when we have time to make it, and should be often renewed, lest our own will come to be the rule of our actions. If I am careful to do this, I shall always have my end, whether I succeed or be disappointed, being convinced it is God's will.

Wilson.

GRACE is the seed of glory in the heart, and therefore the earnest of the future inheritance.

HOW TO BEGIN LIFE.

A young man had reached the age of twenty, and had partly paid for his first piece of land on the Vermont hills. Early one spring morning he shouldered his axe, and went forth to his first hard day's work clearing it. On ascending a rise in the land, and looking abroad over the far-reaching and beautiful landscape, the green below, the winding Connecticut, and the blue above, a deep sense of accountability to God penetrated his soul. He was alone. He glanced back over his forlorn and hard-working life, and beheld restraining mercy. He surveyed his present. Among his few small gains he saw health, strength, hope, and almighty Saviour, the giver of all.

"I am beginning life," he thought. "The future is all dark. I must begin it with God."

Leaning his axe against a birch, and kneeling down on the dewy ground, he prayed for the forgiveness of his sins, and for grace to keep him in days to come; he prayed for guidance in the choice of a fitting help-meet for the trials and duties of life; he prayed to be kept from the clutches of a sheriff's hand; and for a disposition ever ready to bring the first-fruits of his field, and the firstlings of his flocks and his herds as an offering to the Lord, according as the Lord should prosper him. He dedicated his soul and body and his little spot of land to the Lord, to be His in a covenant well-ordered and sure.

It was a solemn hour, that silent, early morning hour, to the young man wrestling with his first great consciousness of want, and reaching out after something mightier than flesh and blood to lean on.

Half a century went by, and an aged man stood upon that selfsame spot, the centre of one of the finest farms in Vermont, and recalled the memories of the past. "There failed not," he said feelingly, "ought of any good thing which the Lord had promised. Every thing came to pass that I then prayed for."

And to know him is to know one who has been a builder and upholder of every good thing in the town where he lives. He is the minister's friend and the poor man's adviser. The church leans on his wise counsel; and every Christian charity receives his warm support. Sons and daughters were born to him, who have grown up and gone on bearing their father's imprint. And now that the old man has done with the rough work of the farm, he finds more time for the no less arduous labors of Christian love. As president of a local Bible Society, quite likely you might meet him in the byways of that snowy and rigorous region, with his sleigh full of Bibles and Testaments, supplying destitute homes with the word of God, and feeding hungry souls with the bread of life.

c.

DEATH is the only master who takes his servants without a character



The rude Esquimaux in his icy solitudes measures life by winters, as the Indian does by the summers, and for the same reason; for winter is to him the great dominant period of the year. He calls it "okipok," the season of fast ice.

When the day has come again, and the first thawing begins to show itself in the sunshine, he tells you that it is "upernasak," the time of water-drops. It is then the snow-bird comes back, and the heath is green again under the snow.

About the end of May comes "upernak," the season of thaws. It is his true summer. Animal and vegetable life are now back again; snow is disappearing from the hill-tops, the floes drift in ice-rafts, and the water torrents pour down from the long-sealed valleys.

By the middle of August the upernak has passed into the season of no ice, "aosak." It is really never iceless; but the floes have now drifted to the south, and the sea along the coast is more open than at any other period.

The fifth is a later fall, the "okiakut," when the water torrents begin to freeze in the fiords, and there is no thawing but at noon-day, and winter returns with its long reign of cold and darkness.

Can the children of this frost-bitten region be as sportive and playful as elsewhere? one involuntarily asks. "Yes," Dr. Kane replies, who

once came upon a merry playground directly under the face of a glacier. The children each had a walrus-rib for a shinny-stick, and they were trying to drive a hurley, made out of the round knob of a flipper-joint, up a bank of frozen snow. Roars of laughter greeted the striker as he missed his blow, and eager cries told how close the match was drawing to the end.

Strange—the thought intruded itself, but there was no wisdom in it—strange that these famine-pinched wanderers of the ice should rejoice in sports and playthings like the children of our own smiling sky! How strange this joyous merriment under the monitory shadow of these jagged ice cliffs! But it was the ordinary life of these children of the same Creator, and they were playing as unconcerned as the birds that circled above our heads. “Fear not, therefore; ye are of more value than many sparrows.”

A RICH EXPERIENCE.

The world in its eager search after pleasure, seeking but never finding, might well turn to behold the joy with which God can satisfy the souls of those who seek *Him*.

“I cannot find language to express how certain the everlasting love of God appeared; the everlasting hills were but shadows of it,” says Mrs. Edwards, the wife of Jonathan Edwards. “Melted and overcome by the sweetness of this assurance, I fell into a great flow of tears. The presence of God was so near and so real, that I seemed scarcely conscious of any thing else. I seemed to be taken under the care and charge of my God and Saviour in an inexpressibly endearing manner. The peace and happiness which I hereafter felt were altogether inexpressible. The whole world, with all its enjoyments and troubles, seemed to be nothing; my God was my all and my only portion. No possible suffering appeared to be worth regarding; all persecutions and torments were a mere nothing.

“I seemed to perceive a flow of divine love come down from the heart of Christ in heaven into my heart in a constant stream, like a stream or pencil of sweet light. At the same time my heart and soul all flowed out in love to Christ, so that there seemed to be a constant flowing and reflowing of heavenly love from Christ’s heart to mine. It was a pure delight which fed and satisfied my soul. In the house of God so conscious was I of the joyful presence of the Holy Ghost, that I could scarcely refrain from leaping with joy. My soul was filled with light and love and joy in the Holy Ghost. And this exaltation at last subsided into a heavenly calm, and a rest of soul in God, which was even sweeter than what preceded it.”

REPENT, or wrath to come is the alternative.



OLD CHAIRS AT INTEREST.

There was an old gentleman of my acquaintance who never forgot, among his Thanksgiving and New-year's bestowments, a poor widow and her daughter living in humble lodgings at the further end of the town. Whether he had much or little to give, few or many to give to, they were never stinted or forgotten. To whomever else his purse-strings were shut, the strings were always open to them; and so often did he eke out their scanty income, that the widow's last days seemed to those who only knew her then to be her best days. *Why* did he have this friendly look-out? They were neither of his parish or kin.

One day he began to rehearse the past, and tell us how it fared with him in his young days. "Ah, when Mary and I married," he said, "we were young and foolish, so we married with nothing ahead. We rented a small room, bought a bed, a table, a couple of platters, and so and so, when our money gave out, and we found we had no chairs. I was not going to run in debt, so I told Mary to turn up a tub. A rich lady with a friendly heart found us out, and she gave us half a dozen old chairs, and they put a new look on our little establishment. The tables are turned with her and me now; she is poor. You know her; it is poor

Mrs. M——; but she will never want while I live. I never forgot those old chairs."

The secret was out. It was the interest on those old chairs that which maintained the poor widow and her daughter. She was living upon an income accruing from the interest and compound interest of a little friendly act done fifty years before.

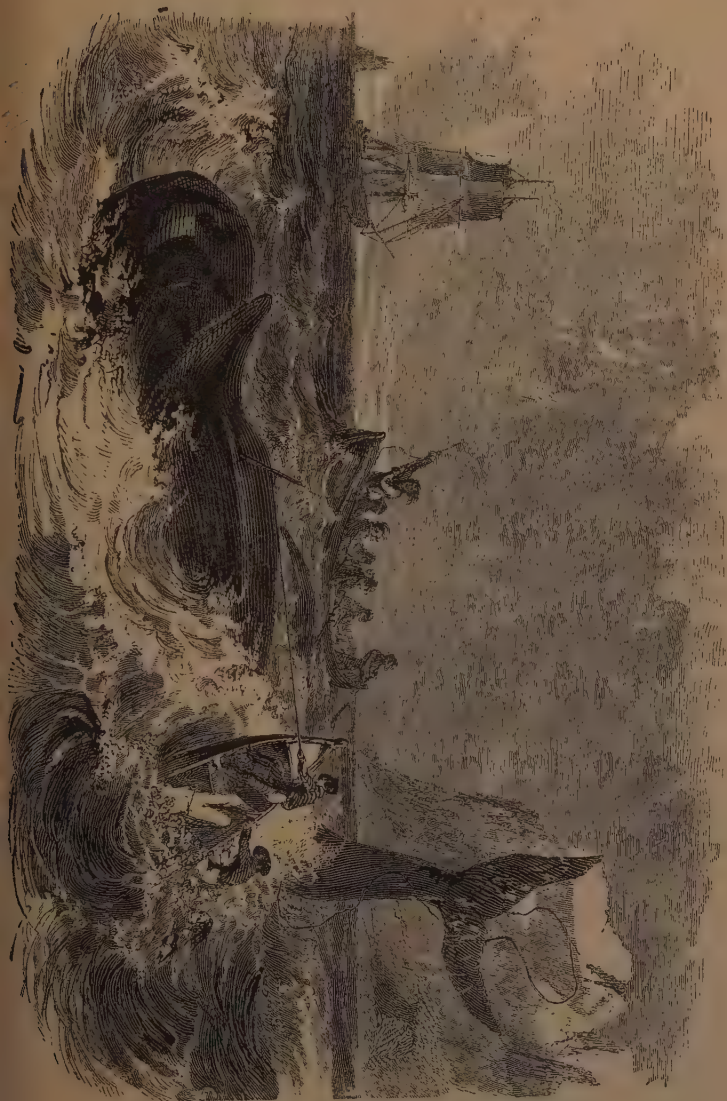
Do we not sometimes see people blest in unexpected channels, by ways they thought not of, and at times when the blessing comes like an angel unawares? We wonder, for we know not why or whence it comes. To us there may seem no natural connection between the spring and the stream, the giver and the gift, the good and our own desert. Could we look deeper, we might possibly find it the compound interest of some long-forgotten kindness or earnest counsel—of some self-denying act or secret prayer. To us they had as it were ceased to be; but only as the seed hidden in the earth, which afterwards sprang up and spread our table with its wholesome fruit. C.

HALF-DAY HEARERS.

There is nothing more disheartening to the minister of the gospel than half-day hearers, especially if they are members of his church. If he is chosen to be their teacher, ought they not to come and hear his instructions? If he is appointed to lead their devotions, ought they not to bring their offerings of prayer and praise? If he is put into the pulpit, should not they be in their pews, to uphold him by their attention, sympathy, and interest? But the worst of it is, half-day hearers are *losing* Christians. They are losing their relish for divine things. They are losing their sense of covenant obligations. They are losing the power of prevailing prayer. Soon they are lost to the prayer-meeting if indeed the loss did not *begin* there. Soon too, lost in worldly conformity, they become the heaviest drags on the moral power of the church, and the cases which weigh with most sorrowful solicitude on the heart of the faithful pastor.

THE PREACHER AND HIS BIBLE.

The preacher should place himself in relation to the Bible, not as a teacher, but as a disciple; not as a man who is going to speak to others in order to reproach them for their faults, but as a sinner who feels his own, and desires to feel them more and more; in fine, not as a soldier who comes to seek for weapons, but as a criminal who comes to deliver himself up to the regenerating hand of grace. He will find those weapons for which he has not sought only the better; and after he shall himself have received some salutary wounds from them, he will only use them with the more strength and intelligence.



THE PERILS OF THE WHALE FISHERY.

A New Bedford ship, cruising in the South Pacific, after capturing several whales, made an onslaught one morning on a fine fat fellow, who

quite unexpectedly resented the insult. Two boats were engaged in the attack, one commanded by the captain, the other by the first mate. The whale on being harpooned by the mate turned upon its pursuers, and rushing towards them with open mouth, gulped the boat in, and crunched it to atoms with his tremendous jaws. The captain instantly struck for the scene of action, and rescued the imperilled crew, nine in number. The ship also, six miles distant, witnessing the frightful spectacle, despatched a boat to their relief. The men divided, determined to renew the attack. As before, the first mate led the advance. The whale perceiving their object, made a second onset, barely allowing the men time to make good their escape into the sea.

Captain Deblois a second time picked them up, and straightway put out for the ship. The monster pursued them. Escape seemed impossible; but the boat, dodging its relentless enemy, reached the ship in safety, and the whalers determined to follow their prey to the bitter end. The conflict was carried on with spirit until sundown, when the whale disappearing below the surface of the sea, the whalers were not sorry to accept it as a sign of the cessation of hostilities, at least for the present. Not so the whale. Suddenly reappearing, he struck the ship a blow that set her quivering from stem to stern. Nor was it long before the hapless crew discovered that a large hole was made in her bottom, and she was rapidly sinking, with scarcely time to save a few quarts of water and as much wet bread from the wreck.

The boats, containing eleven men each, were leaky and unsafe—a poor shelter on the shelterless ocean. A dreary prospect opened before them on the morrow. With but faint hope of rescue, they directed their perilous course northward, and the second day, to their indescribable joy, a sail was discovered in the distance.

The unfortunate men were picked up, well cared for, and landed at Païta, whence in due time they found their way home, quite satisfied that they had met the *prince of whales*.

BE MASTER, AND NOT BE MASTERED.

It is not by regretting what is irreparable that true work is to be done, but by making the best of what we are. It is not by complaining that we have not the right tools, but by using well the tools we have. Where we are, and what we are, is God's providential arrangement; and the wise and manly way is to look our disadvantages in the face, and see what can be made out of them. Life, like war, is a series of mistakes, and he is not the best Christian nor the best general who makes the fewest false steps. Poor mediocrity may do that; but he is the best who wins the most splendid victories by the retrieval of mistakes. Forge mistakes; *organize victory out of mistakes.*

Robertson.



WHAT PREACHING WILL CONVERT MEN?

"Brethren," said Johannes, a North American Indian, a Moravian convert, "I have been a heathen, and have grown old among them, therefore I know very well how it is with the heathen, and how they think. A preacher once came to us, desiring to instruct us, and he began by proving there was a God. On which we said to him, 'Well, and dost thou think we are ignorant of that? Now go back again to the place whence thou comest.'

"Soon after, another preacher came, and began to teach us, saying, 'You must not swear, nor drink too much, nor lie, nor lead wicked lives.' And we answered him, 'Fool that thou art, dost thou think that we do not know that? Go and learn it first thyself, and teach the people whom thou belondest to not to do those things.' Thus we sent him away.

"But some time after, Christian Henry, one of the brethren, came to my hut and sat down beside me. His discourse was nearly in these words: 'I come to thee in the name of the Lord of heaven and earth. He sends me to acquaint thee that he would gladly save thee, and make thee happy, and deliver thee from the miserable state in which thou liest at present. To this end he became a man, gave his life a ransom for men, and shed his life for men. All that believe in the name of this Jesus obtain the forgiveness of sins. To all those who receive him by faith, he gives power to become the sons of God. The Holy Spirit dwelleth in their hearts, and they are made free, through the blood of Christ, from the slavery and dominion of sin. And though thou art the chief of sinners, yet if thou prayest to the Father in his name, and believest in him as a sacrifice for thy sins, thou shalt be heard and saved, and he will give thee a crown of life, and thou shalt live with him in heaven for ever.'

"When he had finished his discourse, he lay down upon a board in my hut, fatigued by his journey, and fell asleep.

"But I could never forget his words. They constantly recurred to my mind. Even though I went to sleep, I dreamed of the blood which Christ had shed for us. I thought, 'This is very strange, and quite different from what I have ever heard.' So I went and told Christian Henry's words to the other Indians; and thus, through the grace of God, an awakening took place among us.

"I tell you therefore, brethren, preach to men Christ, his blood, his sufferings, and his death, if you would have your words gain an entrance among them, if you wish to confer a blessing upon them."

WHOM DOES THE LORD TRY?

"*The Lord trieth the righteous.*" The furnace in which God places his people is not the same by which the ungodly world is tried. He has the crucible for gold and the crucible for earth—the fire of love and the fire of wrath; and in nothing will he more distinguish his own people from the ungodly—the gold from the "reprobate silver"—than in the mode by which both are thus dealt with. He tries the righteous because they are righteous; he chastens his sons because they are his sons. He reproves, rebukes, afflicts them, because he loves them, having chosen them "in the furnace of affliction." What touching words of Christ are these: "As many as I love I rebuke and chasten." Thus it is his own people on whom his afflictive hand is often the most sorely and heavily laid. "*The Lord trieth the righteous.*"

TOEING THE MARK.

"Brother," said a man to his neighbor, "we miss you from the prayer-meeting. Don't let us see your seat vacant any more."

"I shall go where I am *appreciated*," growled the brother, in resentful memory of some fancied or real slight.

"Did Christ go where he was appreciated? Did Paul? The blessing is not on those who go where they are appreciated, brother," rejoined his friend. "The good book says, 'Blessed are the meek; blessed are ye when men shall revile you, and persecute you, and say all manner of evil against you falsely, for my sake.' If we are Christ's followers, we must be careful to toe his mark, or we shall lose his blessing."

THE Scriptures place much of religion in *godly fear*; so much, that it is often spoken of as the character of those who are truly religious, that they *tremble* at the word of God; that they fear before him; that they are afraid of his judgments; that his excellency makes them afraid. The saints are distinguished by the term, *they that fear the Lord*; and true godliness is often called the "fear of God."

Edwards.



It is computed that the coal-beds of England will last at least seven hundred years longer. These beds are deep in the earth. One pit in Cheshire is 2,504 feet in depth; another, near Manchester, 2,135. The Durham collieries are equally deep, and are worked far out under the bed of the ocean. In some of the copper-mines, man is pursuing his daily labors beneath the waves of the Atlantic, half a mile from the shore. To aid the miner in these severe tasks, gigantic steam-engines are employed in pumping off the water from these vast depths. Wind-ing-engines, which are masterpieces of mechanical skill, are ever at work raising the minerals from their dark abyss; and man-engines, to save the tired miner the toil of climbing up perpendicular ladders to the light of day.

English coals cost annually a thousand lives. By the industry of its mining population there is yearly added to the national wealth of England more than thirty millions sterling, which, when developed by the process of manufacture, is increased in value ten-fold. While thus drawing on the "hoarded treasure" embowelled in the earth, we must not forget how much mental labor and muscular power are expended, and how large a percentage of human life is annually sacrificed in the struggle. Comforts cost more than we think.

WHEN you send your letters—for so Matthew Henry calls our prayers—be sure and direct them to the care of the Redeemer, and then they will never miscarry.

THE FIRST LOAF.

A change at last came in my kitchen cabinet. An excellent cook left, and her place was supplied by one with a willing heart but inexperienced hand. She stood demurely awaiting my instructions.

"You can make bread, Nancy? Sift the flour and set some rising to-night." "That was never my work, ma'am; but you tell me how, and I can learn quick." Heavily did the answer fall on my ear. *How?* Yes, that was the question; and what a world of knowledge seemed pent up in that short monosyllable. I remembered my mother used to talk about "setting the sponge," "raising," "moulding," "baking at the right time:" snatches these of information; but the right quantity, quality, or even number of ingredients, with the *just how* they should be put together, were dark as night. There stood Nancy.

"Upon the whole," I said, after a moment's pause, "as there is enough else to do, we will put this off, and use baker's bread for the present," and I felt thankful for the respite.

Days passed on. "Cannot Nancy make bread?" asked my husband at last; "I am getting tired of the baker." "Oh, certainly," I answered, quite at random; "but this is about as nice as home-made bread," in a commending tone, and taking another slice, which I did not want. "There is nothing like good home-made bread, such as my mother used to make." His mother! The standard sent a cold chill through me. Sometimes I thought of confessing our dilemma, and asking counsel. An inexperienced bride is not in bad taste, but an inefficient wife—ah, that is quite a different sort of article.

But the bread. I rose one morning cool and courageous, determined to try my hand at it. "I will begin with pearl-ash bread," I said; "it will be the safest and easiest." It was just before the soda and cream of tartar recipe came into vogue to help poor housekeepers patch up their ignorance. With what profound interest were the flour, milk, salt, and pearl-ash prepared for action. "Pearl-ash enough," I said; "it shall be light;" and more was added. Nancy stirred, the pans were ready, the fire was hot, and at last the dough was deposited in the well-heated oven. I took my seat beside the stove to watch the progress of the bake. How anxiously did I wait for it to rise. The plump look of my mother's loaves loomed up before me. Time passed on, and in spite of waiting, wishing, or watching, there mine lay, beautifully brown, but—insuperably flat.

Dinner came, and George walked in with a friend picked up to dine. The discomposed flush on the cheek must, I think, have given the lie to my welcome. We sat down at table. The fish was nicely browned, potatoes and other side dishes were well served; but the bread—upon which, I well knew, George staked the domestic reputation of poor

wives. It was passed around. He took a slice. It certainly looked like any thing but bread, studded as it was with little brown spots of undissolved pearl-ash. And then, how it tasted! An odd mixture of salt and bitter, more fit for a dose of medicine than an article of food. My husband looked surprised and mortified. "Is there no other?" he asked by his glance. I shook my head, and he removed the unpalatable morsel from his plate. Ah me!

"Had you not better attend to the bread-making yourself," said George when we were alone, "and not leave the most important part of cooking to such miserably inexperienced hands?" It was said pretty decidedly, and it was small consolation that the failure was saddled on Nancy.

I went by myself, every feather in my cap trailing to the very dust. There stood my piano. What availed all the time and industry spent upon thrumming a few tunes? Handsome worsted work adorned the parlor. Here and there a drawing grinned at me from the parlor walls. Years of study, books without number read, and yet miserably ignorant of the very A, B, C of family comfort and domestic knowledge. Has not a man a *right* to expect his wife to be as well versed in *her* department as he is supposed to be in his? And is it just to inflict upon him and his establishment the waste, the thriftless labor, the crude products of inexperience and ignorance? I believe not.

Let every young woman who expects to become a wife—and who does not?—look well to these things before she leaves the maternal wing. It is in vain to say that such knowledge "comes to you" just when it is needed. Do not flatter yourself that any knowledge is endued with such gratuitous generosity. It will not come so. The fruit of knowledge is only gained by hard work. And if a woman would save herself much mortification, anxiety, and waste, let her not enter upon housekeeping ignorant of the duties and labors which a wife must preside over and engage in if she would make a true "help-meet." K.

NEVER think, parents, who have seen your children die, that after they left you they had to traverse a dark, solitary way, along which you would have liked, had it been possible, to have led them by the hand into the presence of God. *You did so*, if you stood by them till the last breath was drawn. *You did* bear them company into God's very presence, if you only stayed beside them till they died. The moment they left you they were with him. The slight pressure of the cold fingers lingered with you yet, but the little child was with its Saviour.

LET me never *murmur*, be *dejected*, or *impatient* under any of the troubles of this life, but ever find rest and comfort in *this: This is the will of my Father and of my God.*

EARTHLY AND HEAVENLY INTEREST.

Ben Adem had a golden coin one day,
 Which he put out at interest with a Jew:
 Year after year awaiting him it lay,
 Until the doubled coin two pieces grew,
 And these two, four; so on, till people said,
 "How rich Ben Adem is!" and bowed the servile head.

Ben Salim had a golden coin that day,
 Which to a stranger asking alms he gave,
 Who went rejoicing on his unknown way.
 Ben Salim died, too poor to own a grave;
 But when his soul reached heaven, angels with pride
 Showed him the wealth to which his coin had multiplied.

THE FAMILY DAY.

"Talking of 'family ties' and 'family love' and 'family gatherings' where would they all be if it were not for a 'family day?'" said a working-man.

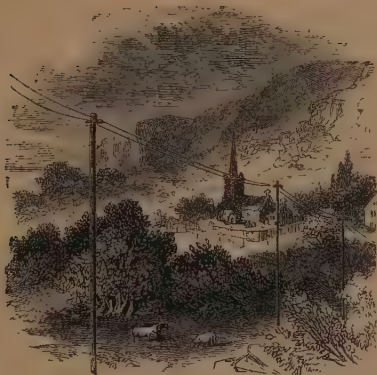
"What do you mean?" I asked.

"I mean," he replied, "that the Lord's day is the 'family day.' Why I and thousands of working-men would hardly know our own children, if it were not for that blessed day which brings us all together. We are out in the morning before the little ones are up, and when we get home at night they are mostly gone to bed, or they are tired, and so are we, and it's not very much we can know of one another at the fag end of the week; but when that best day comes that's all our own, then we can gather together round the table or fireside, and talk to one another, and we can go to the house of God together, and thank him that he has given us one day in seven as a holy, blessed 'family day.'"

COMFORT IN AFFLICTION.

On visiting a mother at the death of her little daughter, "Oh," she cried, "I would give a thousand worlds to have Mary back. I never *never* consented to give her up." And a mother on the loss of a son, "It is so hard in God to take him from us." And a wife over her departed husband, "Why could *he* not have been spared, and useless lives taken?" Then I came to the house of one who had lost father, mother, brother, sister, husband; and now her child, her only child, was about to be put in the grave; and what did she say? "The Lord gave, and the Lord hath taken away; *blessed* be the name of the Lord." She needed no words of consolation from me. A *childlike acquiescence* in the divine will robs affliction of its bitterness, and turns our grief, if not into joy, into a means of reaching that peace which the world cannot give or take away.

A TRUE Christian is neither *fond* of life nor *weary* of it.



ONE line of peace was drawn amid the tumult of war, one cord of union was thrown across the continent amid the distractions of 1861—the Pacific telegraph. A bill for this great enterprise passed Congress in June, 1860. A survey of the route was commenced in November of the same year by Mr. Edward Creighton, who travelled over the whole distance on mule-back, much of the time alone, visiting and conciliating the Indians, and making a thorough examination of the resources of the country through which it was to pass.

The California State Telegraph Company agreed to build the route from San Francisco to Salt Lake. The party this side of the mountains started from Omaha, Kansas, and erected their first post on the fourth of July, 1861. It consisted of four hundred men, with tents, tools, rifles, one hundred head of cattle, one hundred wagons, and seven hundred oxen and mules. They travelled ten miles a day, setting up thirty posts to a mile. The whole line is on posts made of red cedar or pine. In parts of the country destitute of wood, these often had to be drawn two hundred and forty miles. The wire used is galvanized iron wire, made at Worcester, Massachusetts, three hundred and fifty pounds to a mile. It is insulated with "Wade's Insulators," consisting of glass fastened to a bracket at the top of the pole, and covered with a wooden shield, both bracket and shield being saturated with hot coal tar. On the mountains, where the snows are of such fabulous depths, the posts are extra large, high enough to keep the wire above the highest drifts, and near enough to prevent its breaking by clogs of sleet and snow. The average cost is two hundred and fifty dollars a mile. They reached Salt Lake on the 18th of October, and the California party six days after.

The reach of wire across the continent from Cape Race to San Francisco is five thousand miles, making a difference in time of more than

four hours and a half. A dispatch from New York at the busy hour of half-past ten would hardly find the California merchant out of bed. The little solitary line stretching over the hills and far away, bearing on its airy flight joys and sorrows, eager hopes and crushing disappointments, is not without its dangers from winter storms and prairie fires, from the stampede of the buffalo, and the treachery of the Indian. Yet we believe it will stand; and in time it will wind along the Pacific shore, cross the rough waters of Behring's Straits, span the Orient, and at last beat with the mighty pulse of European life, binding the continent in a bond of commercial amity and Christian fellowship. •

TIME AND PATIENCE.

Virgil wrote his Georgics at the rate of one line a day. We see Petrarch returning day after day to his sonnets to alter some single word, or make some trifling change in the arrangement of a line. The comparison between the first and last draught of Pope's Iliad is a literary curiosity. In writing his Reflections upon the French Revolution, Edmund Burke had sometimes more than twelve proofs worked off and destroyed before he could satisfy himself. Massillon sometimes rewrote a single sermon fifteen or twenty times. A distinguished scholar in our own land rewrote the most useful of his sermons thirteen or fourteen times, and labored with a literary friend two whole days on as many sentences. A living divine, who has been called the prince of our pulpit orators, spent a fortnight on a single paragraph in one of his published sermons; and three months in elaborating another discourse, which has probably accomplished more good than the four thousand sermons which were written by another pastor at the rate of two a week.

THE HOLY GHOST.

The Holy Ghost is an admirable master-workman. He fills a fisherman, and makes a preacher of him. He fills a persecutor, and transforms him into a teacher of the Gentiles. He fills a publican, and makes of him an evangelist. Who is this master-workman? He needs not time for his teachings. By whatever means he chooses, so soon as he has touched the soul, he has taught it, and his mere touch is his teaching.

Gregory.

"WHEN will the Sabbath be gone, that we may sell wheat?" Amos 8:4. Deliver us, gracious God, from this sin of covetousness—from being weary of thy Sabbaths, which are ordained to preserve in our hearts the knowledge of thee and of thy Son Jesus Christ.

TEMPTATION TO WRONG-DOING.—How often the sight of *means* to do ill deeds makes *ill deeds* done.



ANOTHER little wave
Upon the sea of life ;
Another soul to save
Amid the toil and strife.

Two more little feet
To walk the dusty road—
'To choose where two paths meet,
The narrow and the broad.

Two more little hands
'To work for good or ill
Two more little eyes ;
Another little will.

Another heart to love,
Receiving love again ;
And so the baby came,
A thing of joy and pain.

“DOMESTICS.”

A “grievous necessity,” Mrs. May calls it ; and in many families the cause of how much waste, ill-humor, fault-finding, and discomfort ; besides affording a fruitful theme of abuse and backbiting from women of whom we might justly expect better things. Is this the true way ?

The young women who enter our families to help us in our domestic work have, it seems to us, a far higher claim upon our sympathies and our affections than is commonly granted them ; and if we acquitted ourselves Christianly towards them, there would be small reason for complaint. You have taken a young girl into your family. Perhaps she has come from a comfortable farmer's home, and left a circle of brothers and sisters, loving and beloved. Perhaps she is homeless, the forlorn fragment of some broken household ; perhaps a stranger in a strange land. Now, are your mutual claims cancelled when she *gets through* her weekly task, no matter how, and you have paid the stipulated wages ? Shall you be selfish and exacting ? Shall she be careless and improvident ? Shall the chief object of each be to *get out* of each other as much as pos-

sible, regardless of any higher or better considerations? No, no. Do not allow yourself to settle down on so low a platform.

Feel a genuine interest in your servants, and *show* them that you do so. Make their chambers comfortable and cheerful—a pleasant spot to retire to; give them every necessary facility for doing their work well, and let them see how order, tidiness, and thrift have a value all their own. They will have faults, of course; that you must expect; and what you have to do, is to help them to amend. Give them the full benefit of coming in contact with a well-educated Christian woman. It must be your aim to improve their character as well as to secure their labor. You must be patient and kind and firm, and never regard as hopeless any efforts for their good. Do not expect any sudden growth of excellences for you know that growth in the moral as in the physical world is the result of time and labor; and as disappointment begets discouragement, guard against it by considering the unfavorable influences hitherto surrounding them, and do your part with cheerful courage. There are many hours of loneliness to a single servant. You know not the void in her heart, or the tares that may fall into it unawares. Place in her hands useful books, and talk with her about their contents. If she is altogether a stranger in your town, provide her with a place of worship, introduce her to the pastor, place her in a Bible class, and let her interests all take root in a favorable soil. She must have companions of some kind. See that they are of the right sort, such as a good mother would desire for her child. If you find she has formed habits and connections which you cannot approve, do not arbitrarily sunder them, win her confidence and secure her respect. The way to influence her thus is not difficult.

And while you, as a Christian woman, are solicitous yourself to improve the means of grace, and feel a tender anxiety for your kindred and friends; while you give your money and your personal attention to many an out-door charity, do not overlook the spiritual welfare of any within your house; feel that the soul of your handmaid is committed to your care; pray for her and with her, and labor with affectionate earnestness to bring her to the Redeemer of a lost world.

Believe in a warm, hearty, genuine sympathy between employers and the employed. We have no right to expect faithfulness only on one side. We must be true and faithful each to each. And the relation which so many heads of families suffer annoyances from, grumble over, and only endure, *may* be, and *can* be, and *ought* to be not only a relief from care and labor, but occasion for mutual profit, and a bond of sincere attachment.

H. C. K.

LET our motto ever be, "*None but Christ,*" and our ever-increasing aspiration, "*More of Christ.*"

THE CHRISTIAN HOUSEHOLD.

Oh, happy house, where thou art loved the best,
 Dear Friend and Saviour of our race,
 Where never comes such welcomed, honored Guest,
 Where none can ever fill thy place;
 Where every heart goes forth to meet thee,
 Where every ear attends thy word,
 Where every lip with blessing greets thee,
 Where all are waiting on their Lord.

Oh, happy house, where two are one in heart,
 In faith and hope are one,
 Whom death can only for a little part,
 Not end the union here begun;
 Who share together one salvation,
 Who would be with thee, Lord, always,
 In gladness or in tribulation,
 In happy or in evil days.

Oh, happy house, whose little ones are given
 Early to thee in earnest prayer—
 To thee their Friend, who from the heights of heaven
 Guardest with more than mother's care.
 Oh, happy house, where little voices
 Their glad hosannas love to raise,
 And childhood's lisping tongue rejoices
 To bring new songs of love and praise.

Oh, happy house and happy servitude,
 Where all alike one Master own;
 Where daily duty, in thy strength pursued,
 Is never hard or toilsome known;
 Where each one serves thee, meek and lowly,
 Whatever thine appointments be,
 Till common tasks seem great and holy,
 When they are done as unto thee.

Oh, happy house, where Thou art not forgot
 When joy is flowing full and free.
 Oh, happy house, where every wound is brought
 Physician, Comforter, to thee:
 Until at last, earth's day's work ended,
 All meet thee in that home above
 From whence thou comest, where thou hast ascended,
 Thy heaven of glory and of love.

 "TEMPERANCE,"

says Dr. Franklin, "puts wood on the fire, flour in the barrel, meal in the hest, money in the purse, credit in the country, contentment in the house, clothes on the children, vigor in the body, intelligence in the brain, and spirit in the whole constitution."

THE STATESMAN OF TO-DAY

Cannot decide upon his principles and purposes, and carry them out by the mere force of his high position. He cannot, like Peter, systematize the civilization of a barbarous empire; he cannot, like Colbert, reconstruct the finances and commerce of a great kingdom; he cannot, like Stein, by an overpowering fiat raise a whole nation out of serfdom and civil possessions and civil rights. He is powerless, except so far as he can induce others to agree with him. He has not only to conceive and mature wise schemes, but he has to undergo the far more painful and vexatious labor of persuading others of their excellence.

Though modern statesmanship may call for other qualities than those needed in former days, the qualities are neither fewer, less lofty, nor less rare. A thorough mastery of facts, a clear purpose, a patient temper, persevering will; a profound knowledge of men, the motives which actuate them, and the influences which sway them; skill to purchase the maximum of support by the minimum of concession; tact to discern the present temper and the probable direction of popular feeling; sagacity to distinguish between the intelligent and the unintelligent public opinion—between the noisy clamor of the unimportant few, and the silent convictions of the influential many—between the outcry which may be safely disregarded, and the expression of the mind of the country which it would be wrong to withstand: these are qualifications surely which demand no ordinary combination of moral and intellectual endowments. The statesman of to-day requires as comprehensive a vision and as profound a wisdom as those in former times, with intenser labor and a far wider range of knowledge: but he requires other gifts once scarcely needed; for he has not only to decide what ought to be done, and the wisest way of doing it, but he has to do it, or as much of it as he can, in the face of obstacles which would have baffled Mazarin, and before which Chatham and Walpole might well have stood aghast. To be useful and great, he must carry the nation along with him, and be the representative and embodiment of its soberest and maturest wisdom.

Greg.

HARDNESS OF CHARACTER.

Hardness is a want of minute attention to the feelings of others. It does not proceed from malignity or a carelessness of inflicting pain, but from a want of delicate perception of those little things by which pleasure is conferred or pain excited. A hard person thinks he has done enough if he does not speak ill of your relations, your children, or your country; and then, with the greatest good-humor and volubility, and with a total inattention to your individual state and position, galls over a thousand fine feelings, and leaves in every step the mark of the hoof upon your heart.

Sidney Smith.

THE MURDERER TOUCHED.

A pious physician once had under his care in prison a man who had murdered his wife, and was sentenced to be hung. His frequent visits gave him many opportunities of conversing with the offender, urging him to repentance, warning him of the dreadful perdition awaiting the ungodly, and presenting the Saviour's willingness to receive even the most abandoned. No impression could be made on him. He did not feel that he *had* any thing to repent of, and often quoted Scripture in a most scoffing tone. His case seemed desperate.

The doctor then asked a good old man of his acquaintance to call at the cell. When he again visited his patient, "Doctor," he said, "you don't understand your business. You come here to benefit the souls of these poor prisoners, but you don't go about it right. That dear old Quaker friend of yours understood how. He came in and sat down right by my side. With a feeling look he said to me, 'John, wasn't it gracious goodness on the part of the Almighty that he should have loved *us* so much as to send his only begotten and well-beloved Son into the world to save such sinners as thou and *I*?' Why, doctor, that word *I* killed me. It killed me dead. I could not get over it. That that good man should put himself on the *same level with me*, a vile murderer, neither fit to live nor to die! I cannot keep it out of my thoughts."

And he did not. The hard heart melted. The poor fellow became a true penitent, and died relying on his Redeemer's blood for pardon and peace beyond the grave.

THE CORNER-STONE.

I am one of those who believe firmly, as much as a man can believe any thing, that the greatest resource a nation can possess, the surest principle of power, is strict attention to the principles of justice. The common proverb, 'Honesty is the best policy,' is as applicable to nations as to individuals. Justice is not only the best foundation of all public policy, the surest pledge of peace, but the corner-stone of stability in government. The nation deficient in justice is deficient in wisdom. Fox.

THREE WHATS.

What from? Believers are redeemed from hell and destruction. What by? By the precious blood of Christ. What to? To an inheritance incorruptible, undefiled, and that fadeth not away. Never forget the three whats.

"MOTHER," asked a little boy, "what made father such a great and good man?"

"God's grace, and try," replied the mother.

"That all?" said the little boy. Together they are all-powerful.

HOW TO GET RID OF DOUBTS.

D'Aubigné, after having come to a saving knowledge of Christ, was distressed by many doubts concerning the true meaning of certain important passages of Scripture. Travelling with two friends, believers like himself, he proposed stopping at Kiel, at that time the home of Kleuker, who had for forty years defended Christianity against the attacks of infidel theologians, and asking that able and excellent divine to elucidate them. They accordingly did so, and D'Aubigné waited on Kleuker, and made known the object of his visit.

"Were I to succeed in ridding you of them," replied the experienced man of God, "others would soon arise. There is a shorter, deeper, more complete way of annihilating them. Let Christ be really to you the Son of God, the Saviour, the Author of eternal life; only be firmly settled in *his* grace, and these difficulties of detail will never stop you; the light which proceeds from Christ will disperse all your darkness."

The young man felt that the old divine had showed him the right way. He gave himself to a more prayerful study of the Bible, and with his two friends was searching the hid treasures of the epistle to the Ephesians when these words in the third chapter, "Now unto Him that is able to do exceeding abundantly above all that we can ask or think, according to the power that worketh in us, unto him be glory," etc., fell upon him like a mighty revelation from God. "He can do by his power *exceeding abundantly*," repeated D'Aubigné, giving himself up to Christ with a full trust for the work to be done. The friends knelt down, and though he had never fully disclosed his inward struggles to them, the prayer of one was filled with the utterances of his own wants and desires.

"When I arose," said D'Aubigné, "I felt as if my wings were renewed as the eagle's. From that time forward I felt that my own syllogisms were of no avail, that Christ was able to do it by his power working in us, and the habitual attitude of my soul was to lie at the foot of the cross crying to him who would do *exceeding abundantly* above all that I could ask or think. All my doubts were soon dispelled; and not only was I delivered from inward anguish, but the Lord extended to me peace like a river."

WHEN our Lord bids us *take no thought for the morrow*, he intends to hinder those *cares* and *fears* which are apt to distract our devotions, and which are the more unreasonable, because they can never change the state of things.

"THOSE who attempt to preach the gospel without its threatening do not preach the whole gospel, or half the gospel, or any part of the gospel but that which is subversive of the whole gospel."

FRESH AIR.

A distinguished physician, in urging the importance of exercise in the open air, says, "Every possible expedient seems to be adopted in modern houses to prevent the circulation of the 'breath of life' in such exact proportions of hydrogen and oxygen as our Creator intended for the growth and repair of the human system. For the first time since men began to live in houses, we have no fireplaces. The shrine of the domestic hearth, which in all ages has been regarded as the symbol of home, with all its social comforts and delights."

The inmates of such houses, like the hot-house plant, are unfitted to endure the storms of winter. It was a remark of the venerable Bede, that when men lived in houses of willow, they were men of oak; but when they lived in houses of oak, they were willow. Unwelcome as the truth may be, we *must* accustom ourselves to moderate cold within doors before we can successfully resist extreme cold without. Halls and sleeping rooms at least should be kept cool, that the inmates during a part of the day may enjoy its invigorating and acclimating influences. Men must be made to understand that the laws of God in regard to health are inviolable, and that they cannot be broken with impunity any more than the laws relating to the planetary system can be disturbed without interrupting the harmony of the universe.

"MANY MEET THE GODS, BUT FEW SALUTE THEM."

How often do *the gods*—keeping to the language of this old proverb—meet man in the shape of a sorrow which might be a purifying one, or a joy which might elevate their hearts to thankfulness and praise, in a sickness or a recovery, a disappointment or a success; and yet how few, it must be sadly owned, *salute* them; how few recognize their august presences in this joy or this sorrow, this blessing added or this blessing taken away!

This proverb has reference to man's failing to *see* the divine presence. The French have a like proverb as to our failing to *hear* the divine voice, being drowned by the deafening hubbub of the world: *The noise is so great, one cannot hear God thunder.*

Trench.

"I CANNOT desire, as some people do, the dismemberment of America," says De Tocqueville. "Such an event would inflict a great wound on the whole human race, for it would introduce war on a great continent, from whence it has been banished for more than half a century. The breaking up of the American Union will be a solemn moment in the history of the world. I never met an American who did not feel this, and I believe it will not be rashly undertaken."

A DUCAL SLAVE.

The Duke of Brunswick has three millions of dollars' worth of diamonds, a catalogue of which embraces 258 quarto pages. One is valued at \$80,000; another, \$70,000; and a number at \$30,000 and \$20,000. Some of these have adorned the highest places, and possess a curious and capricious history. Their possession holds the noble duke in a strange captivity. He lives in a house built not for comfort but safety. It is burglar-proof; surrounded by a high wall, surmounted by a lofty iron railing, and defended by innumerable sharp spear-heads, which are contrived that if a person touches one of them, a chime of bells instantly rings an alarm. The diamonds are kept in a safe built in a thick wall. It is lined with granite and iron. Its locks have a secret which must be known before they are opened; if opened by violence, a discharge of firearms takes place, which will kill the robber, and at the same time send a chime of bells ringing in every room. The entrance to the safe is through his bedroom, which has but one window in it, whose sash is of the stoutest iron; its shutters are iron, and cannot be opened unless the duke is master of the lock. The duke sleeps by the safe with a dozen silver-barrelled revolvers, loaded and capped, beside him on the table. He dares not sleep from home a single night, and of course remains chained in Paris through all the year. True, it is only a chain of diamonds; but what more galling bondage, both of mind and body, could a man really have? It is the spectacle of a soul voluntarily fettered to a miserable idolatry. Who would be in his place?

Thou must *by trial* know what bitter fare
Is bread of others; and the way, how hard,
That leadeth up and down another's stair.

MORAL DECAY IN THE FAMILY

Is the invariable prelude to public corruption. It is a false distinction which we make between public integrity and private honor. The man whom you cannot admit into your family, whose morals are corrupt, *cannot* be a pure statesman. Whoever studies history will be profoundly convinced that a nation stands or falls with the sanctity of its domestic ties.

WHEN one of Dr. Emmons' students had finished his theological studies, and had taken leave of his instructor, the doctor called him back saying, "I have omitted one very important caution." "What is that?" asked the young preacher. "In all your public services," said the doctor, "remember to leave off when you have done."

JANE TAYLOR says, "Preserve me from *affrontable* people."

“AS MANY AS I LOVE I CHASTEN.” REV. 3:19.

As a father ne'er withdraws
From a child his all of love,
Though it often break his laws,
Though it careless, wilful prove;
Even so my loving Lord
Doth my faults with pity see;
With his rod he chasteneth me,
Not avenging with his sword.
All things else have but their day;
God's love only lasts for aye.

When his strokes upon me light,
Bitterly I feel their smart;
Yet are they, if seen aright,
Tokens that my Father's heart
Yearns to bring me back again
Through these crosses to his fold,
From the world that fain would hold
Soul and body in its chain.
All things else have but their day;
God's love only lasts for aye.

All my life I still have found,
And I will forget it never,
Every sorrow hath its bound,
And no cross endures for ever.
After all the winter snows
Comes sweet summer back again.
Patient souls ne'er wait in vain;
Joy is given for all our woes.
All things else have but their day;
God's love only lasts for aye.

Since then neither change nor end
In thy love can e'er have place,
Father, I beseech thee send
Unto me thy loving grace;
Help thy feeble child, and give
Strength to serve thee day and night,
Loving thee with all my might,
While on earth I yet must live;
So shall I, when time is o'er,
Praise and love thee evermore.

ARE not many Christians practical atheists with regard to the weather? How many have contracted a habit of what we might call decent blasphemy against rain and cold, fog and damp, as though Providence had no concern in them, or as though the check they offer to our plans and pleasures were the designs of the evil one!

TAKE CARE OF YOUR EYES.

It is a good rule to do with the eyes as you should not do with children—*humor them*. When it is time to use glasses, and the time varies in different persons, let not vanity induce you to postpone them. Injured vanity may possibly be healed, injured eyes may not. Straining the eyes is more detrimental to them than using glasses. Never fatigue the eyes; never read while riding or walking, or by a waning or too brilliant light. One should never hazard so delicate and so invaluable a sense. Remember, nature never forgives an injury. The exact law of justice is the only law she knows. It is wicked therefore to offend her. When we reflect upon the extreme delicacy of the eyes, their constant use, their too frequent abuse, it is wonderful how long-suffering they are. Yet they are not equal to charity: they will not endure all things. Their eyes cannot be too carefully guarded; they cannot be too kindly treated.

HINTS ON TALKING.

If stories must be told in conversation, it is almost a universal and infallible rule that they cannot be too short.

Command of appropriate language is as indispensable to a colloquial speaker as to an orator or author. Use no fine phrases or rhetorical flourishes. The dialect of conversation should be pure, simple, and idiomatic. The most distinctive quality of a genuine talker is unpretended freshness.

A *stream of talk* is always toilsome, for conversation ought to bubble up in unforeseen succession from distinct and copious springs.

THE Bible recognizes but two specific and distinctive characters—the *sinner* and the *Saviour*, and all others are but modifications of these. The saint is but the sinner converted, justified, pardoned, adopted, sanctified, saved, glorified. And all the official relations sustained by Christ in the economy of salvation, are but so many varied and beautiful forms of the one Saviour, of whom it is said, “Neither is there salvation in any other, for there is none other name under heaven given among men, whereunto we must be saved.”

Dr. Winslow.

WELL might Coleridge say that the fairest flower he ever saw climbing round a poor man's window, was not so beautiful in his eyes as the Bible which he saw lying within.

THOUGH ignorance may be the mother of devotion, it cannot be the mother of piety.

THE less Christians conform to the world, the more the world will conform to them.

THE VALUE OF UNION.

Union in states cannot be too highly prized. Thrifty commerce, productive agriculture, skilful arts, enterprising manufactures, internal improvements, facilities for learning, the activities of philanthropy, seem have their life and health and power almost entirely in a large union of minds, hearts, and hands. The wheels and cylinders and shafts and rods and boilers and furnaces and pipes of a vast and complicated machinery, when lying on the bank of a stream which is to put them in motion, are capable of no achievement; united, adjusted, and moving together, they will work wonders, and perform the service of more than a thousand men.

A man-of-war with its ribs and planks and spars and guns and cargoes wrecked or stranded on the shore, is an unsightly and powerless wreck. The same ship with hull and masts and rigging and rudder and compass and its munitions of war sound, fast, compact, quietly holding its stern thunder for the coming exigency, has majestic power. Here are images of a great nation divided and united.

White.

THE union of lakes, the union of lands,
 The union of states none can sever;
 The union of hearts, the union of hands,
 And the flag of our Union for ever!

THE ART OF LIVING EASILY,

to money, is to pitch your scale of living one degree *below* your wants. Comfort and enjoyment are more dependent upon easiness in detail of expenditure, than upon one degree's difference in the scale. Let yourself *feel a want* before you provide against it. You are assured that it is a *real* want; and it is worth while to feel it a little in order to feel the relief from it.

When you are undecided as to which of two courses you like best, choose the cheapest. This rule will not only save money, but save also a good deal of trifling indecision.

GOOD BREEDING.

I think that none can do so much good in the world, who are *not* well bred, as those who *are*. In truth, it is only a modern phase for that variety" which St. Paul emphatically says, "doth not behave itself uncomely, and is not easily provoked; which vaunteth not itself, and is not lifted up; which suffereth long, and is kind."

I MORE and more 'believe,' says Dr. J. W. Alexander, "that, first, constant Bible study, using Scripture to explain itself, and, second, the culture of the heart by prayer, etc., are the great preparations for the pulpit."

THE THREE FACES.

We are now, if we have reached middle life, very much what shall be to the end. Not much more will be made of us here; but shall estimate what may be made of us in immortality! Think of a "spiritual body;" think of a perfectly pure and happy soul. I thought of this one summer evening while walking through a grand domain. In front of a noble sepulchre, there are sculptured by a great artist three colossal faces, which are meant to represent Life, Death, and Immortality. It was easy to represent Death. The face was one of solemn rest, with closed eyes; and the sculptor's skill was manifestly shown in distinguishing Life from Immortality. He had done it. There was Life, a careworn, anxious, weary face, that seemed to look at you earnestly, and with a vague inquiry for something—the something which is lacking in all things here. And there was Immortality, life—but Oh, how different from mortal life. There was the beautiful face, calm, satisfied, and self-possessed, and with eyes looking far away. Yes, there was Immortality, and you felt, as you looked at it, how lime a thing it was.

THE SUM OF TRAVEL.

My reigning sentiment, after hurrying and exciting travel among thousands of this unspeakably teeming population of Europe, is the impression that men and generations pass away like the herb of the field, but the word of the Lord abideth for ever. His kingdom is coming; his house is going up; his plan is unfolding; old traditions and things, which vain man calls eternal, are crumbling; new things predicted, but not expected, are rolling in like a flood; our life and that of our children is but a link in the great chain. I trust I can sometimes say, "Thy kingdom come; thy will be done,"

Dr. J. W. Alexander.

QUERIES.

Whether we do not err in ciphering too much about the time, money, and money it will take to convert the world? Whether God's plan is not to work upon, in, and by a peculiar people, elect and called? Whether his plan may not be doing, even though in a "little flock?" Whether, consequently, both hopes and fears do not mislead us as to the extensiveness of visible success?

A WORLD from which solitude is excluded is a very poor ideal. Solitude, in the sense of being often alone, is essential to any depths of meditation or of character; and solitude in the presence of natural beauty and grandeur, is the cradle of thoughts and aspirations which are only good for the individual, but which society could ill afford to do without.

THAT HOOK.

Two young clergymen calling on Dr. Emmons in his study, he said to them, "Do you see that hook? Both of you are young, and if you have such hooks on your study doors, I advise you to put them on without delay, for I am more indebted to *that hook* than to any man on earth; it has kept me free from many interruptions." On being told that some ministers might need the hook on the outside of the door, he replied, "Then let them put the hook on *both* sides; for if they need to be fastened they will surely need to fasten the world out."

MARTIAL VIRTUES.

We are apt to associate a great deal of wickedness with a soldier's life; but it need not be so—it should not be so. Army discipline educes us to some almost forgotten virtues—obedience to law, self-denial, fidelity, patriotism—the *hard wood* of character. The difficulty is, we have built up our boys too much on *soft wood*. We want more "hearts of oak." We want a national character which will stand the storm.

ONCE upon a time David Hume kindly sent Rousseau a present of a dish of beefsteaks. Rousseau fired at this. He discerned in it a deep insult. He put it that Hume, by sending the steaks, meant to insinuate that he, Rousseau, could not afford to buy proper food for himself. Oh, how many Rousseaus! They have not the genius indeed, but they have all the wrong-headedness.

A QUAKER once called on a belligerent debtor, who, hearing his voice, angrily exclaimed to his porter, "Tell the rascal I am not at home." The friend, may God put thee in better temper," pleasantly rejoined the Quaker as he departed. Not long after, the penitent debtor sought him out, and feelingly asked how he had succeeded in governing his temper. "I never, under any provocation, allowing my voice to be raised above a gentle tone," was the reply.

No conviction gains more strength than that our great study should be the Bible. Oh, how shall we check the waste of mind upon the ever-increasing frivolities of literature? Is God about to banish our impertinent rivalry of his book by war, discord, or other calamities? I hope so. Let me begin reform at home.

Alexander.

"WASHINGTON is the only man," said Lord Erskine, "whose character cannot contemplate without awe and wonder."

DYING men speak little of Christianity, and less of any system of truth or laws of nature. They say, *Christ*.

UNITED STATES GOVERNMENT.

EXECUTIVE DEPARTMENT.

PRESIDENT OF THE UNITED STATES . . . ABRAHAM LINCOLN, of Illinois.
 VICE-PRESIDENT OF THE UNITED STATES HANNIBAL HAMLIN, of Maine.

CABINET.

SECRETARY OF STATE . . . WILLIAM H. SEWARD, of New York.
 " OF THE TREASURY . . . SALMON B. CHASE, of Ohio.
 " " INTERIOR . . . CALEB B. SMITH, of Indiana.
 " " NAVY . . . GIDEON WELLES, of Connecticut.
 " OF WAR . . . EDWIN M. STANTON, of Pennsylvania.
 ATTORNEY-GENERAL . . . EDWARD BATES, of Missouri.
 POSTMASTER-GENERAL . . . MONTGOMERY BLAIR, of Maryland.

JUDICIARY DEPARTMENT.

SUPREME COURT OF THE UNITED STATES.

CHIEF-JUSTICE . . . ROGER B. TANNEY, of Maryland.
 ASSOCIATE JUSTICE . . . SAMUEL NELSON, of New York.
 " " . . . ROBERT C. GRIER, of Pennsylvania.
 " " . . . JOHN M. WAYNE, of Georgia.
 " " . . . JOHN CATRON, of Tennessee.
 " " . . . NATHAN SWAYNE, of Ohio.

UNITED STATES MILITARY FORCE.—At the commencement of the rebellion inaugurated by the attack on fort Sumter, the entire military force at the disposal of government was 16,000 regulars, employed in the West to hold in check marauding Indians. In April, 75,000 volunteers were called upon to enlist for three months' service, and responded with such alacrity that 77,875 were immediately obtained. Under the authority of the act of Congress of July 22, 1861, States were asked to furnish 500,000 volunteers to serve for three years, or during the war; and by the act approved the 29th of the same month, the addition of 25,000 men to the regular army of the United States was authorized. The result is that we have now an army of upwards of 600,000 men. If we add to this number of the discharged three months' volunteers, the aggregate force furnished to the government since April, 1861, exceeds 700,000 men.

At the breaking out of the rebellion there were 86 officers of the rank of major and upwards who were able to do duty. Of these, 62 remained loyal in United States service, though many of them were natives of Southern states. Only 17 are known to have been in the rebel army. Ten of the eleven general officers of the United States army in 1862, and 182 out of the 204 field officers, graduates of West Point, or veterans in the service.

UNITED STATES NAVAL FORCE.—On the fourth of March, 1861, there were 100 commissions and at the service of the Secretary of the Navy only 42 vessels, carrying 555 guns and 7,600 men. At the close of the year there were in commission 264 vessels, carrying 2,557 guns and over 22,000 men. To these, according to report of the Secretary, were soon afterwards to be added 52 new steamers particularly adapted to coast-guard duty, three of them iron-clad: the Monitor, Galena, and New Ironsides.

POST-OFFICE DEPARTMENT.—The gross revenue for the year ending June 30, 1861, was \$8,349,296. The expenditures for the year were \$13,606,759. Number of Post-offices, 28,586.

KANSAS was admitted as a state during the second session of the thirty-fourth Congress, making the whole number thirty-four; also three territories organized: Colorado, Nevada, and Dakota.

MERCANTILE FAILURES.—In 1857, there were reported in the Northern states 257 failures, involving an indebtedness of \$265,818,000. In 1861, 5,935 failures, with an indebtedness of \$178,632,130. During the first four months of 1861 the reported failures in the Southern states were 1,058, with an indebtedness of \$8,578,257. At the close of the year the mercantile indebtedness of the South to the North was reckoned at \$211,000,000.

PORT OF NEW YORK.—The arrivals from foreign ports in 1861 were 5,122; an increase of 571 over the previous year. The decrease in the number of passengers was 185,837; the whole number being 80,790, against 266,627 in 1860. The California steamers made 35 trips, and brought gold to the amount of \$34,379,547.

LOSSES BY FIRE IN 1861.—The total number of reported fires, at each of which no loss exceeded \$20,000, was 183. Entire loss, \$18,020,000. Add to this the loss of less destructive fires, and by the burning of bridges and other property in war, and the total for the year would exceed \$45,000,000. At 47 of the fires, 102 persons were lost.

RAILROAD ACCIDENTS in 1861 were 63, in which 101 were killed and 459 injured.

STEAMBOAT ACCIDENTS were 19, in which 69 were killed and 80 wounded. These reports are incomplete.

REVOLUTIONARY PENSIONERS.—Only 63 names remained on the Pension Rolls at Washington July 1, 1861. Probably not 50 now remain.

EARTHQUAKES IN 1861.—The most serious of these occurred on the night of March 20, at Mendoza in the Argentine Republic, S. A. Mendoza lies some 2,900 feet above the sea-level, on the eastern slope of the Andes. The shock lasted but about five seconds; but nearly the whole town was in this brief time laid waste, and more than 8,000 lives were lost. Deep caverns were opened into the mountains, the summits parted asunder, and in many places the earth opened like a bomb-shell, ejecting water and enormous stones.

VOLCANIC ERUPTIONS IN 1861.—The most important eruption of the year took place from a heretofore unknown volcano at Djebel Dubbeh, on the east coast of Africa, in lat. $13^{\circ} 57' N.$ and long. $41^{\circ} 20' E.$ It commenced May 7, and continued at intervals three or four days; accompanied with loud shocks like heavy artillery, heard at places nearly 400 miles apart, and by clouds of dust which were borne to immense distances. At Edd, a day's journey off, on the Abyssinian coast, the dust was knee-deep, and its fall on the first day caused almost total darkness.

INTERIOR OF AUSTRALIA.—The whole of this vast island-continent, except a border of 100 miles or more on the surrounding ocean, has been supposed to be an uninhabitable desert, rocky, sandy, and inaccessible. But recent explorations have proved that an immense territory of good land exists in the interior. The four men who made this discovery, with one exception, perished with fatigue and starvation on their return.

FALLS OF ZAMBESI, SOUTH AFRICA.—Dr. Livingston in a recent letter states that in his book of Travels he greatly underestimated the magnitude of the Victoria falls in the Zambesi river, which are probably the most wonderful in the world. Their breadth, which he estimated at 1,000 yards, is now ascertained to be at least 1,860 yards, with a sheer fall of 310 feet.

TELEGRAPHY.

The most notable recent telegraph item is, the completion of the PACIFIC line connecting the Mississippi valley with San Francisco, and furnishing the last link needed for telegraphic communication across the whole continent from Cape I to the Pacific, a stretch of about 5,000 miles. Its route is by forts Kearney, Jamie, and Bridger, through the South Pass in the Rocky mountains, Salt Lake City, fort Crittenden, the Simpson route to fort Churchill, Carson valley, and the Sierra Nevada to Placerville and San Francisco. The cost of the line is about \$250 per mile, or some \$500,000. It is worked by Morse's instruments, and charges on ten words from New York through is about \$6.

There is now in operation a telegraph line 2,000 miles long, from Los Angeles south of San Francisco, to Yreka in the north. This has probably been extended here this to Vancouver, whence Mr. Collins proposes to carry it along the north-west coast of America and over to the eastern shore of Asia. In this plan the Russian government will coöperate, being already far advanced in a line of telegraphs across the Ural mountains to Irkutsk; so that in 1864 it is expected the route will be completed from St. Petersburg to the Pacific. The transit from Europe to America must probably be made by the range of Aleutian islands.

In land telegraphy the chief difficulties have been well surmounted, but in MARINE telegraphy much remains to be accomplished. Out of 12,000 miles of marine cable laid since 1851, only 3,000 miles are now in working order. The things are essential to success: perfect insulation of the conducting wire, external protection, and means of laying the covered wire or cable in the bed of the ocean uninjured. In regard to the best material for conductors, much experimenting has not discovered any substance superior to pure copper. The insulating material is supposed to be india-rubber, which was first used, and for a time superseded by gutta-percha, but is now regaining the preference. It is tough, highly elastic, of less specific gravity than water, easily manipulated, extremely durable under water, and nearly impervious to moisture. Both india-rubber and gutta-percha, however, are porous under the great pressure they are subjected to in deep water; and this seems to be the great difficulty to overcome, to render them more perfect insulators. Much study has been given to the best mode of depositing the cable without injury; but whether any form of cable can be considered perfectly serviceable in the ocean's bed, is yet an open question.

PRIVATE TELEGRAPHS have begun to be established both in this country and Europe. In London, a "Private Telegraph Company" has been instituted, which furnishes a person with the use of a private wire for £4 a mile per annum. A wire containing 30 to 50 wires is suspended from a pole, all insulated, and branched off where wanted. Their apparatus is remarkably simple, easily managed, and always in order. The current is produced by turning a piece of soft iron near a magnet; and to send a message, it is only necessary to press in succession the keys to which are affixed the letters of the alphabet you wish to use, and to turn a little handle, upon which the message is at once transferred to a similar instrument at the other end.

MINERAL PRODUCTS OF GREAT BRITAIN.—The yearly mineral production of England is stated by Sir R. I. Murchison at 80,000,000 tons of coal; 8,000,000 tons of iron ore, yielding 3,826,000 tons of pig iron; 236,696 tons copper ore, yielding 15,968 tons of copper; 6,695 tons of tin, 63,525 tons lead, and 4,357 of zinc. The value of metals and coals, \$185,000,000.

STEAM ON COMMON ROADS.—So much attention has recently been given to this subject in England, that Parliament has taken some measures for the regulation of the expected travel—limiting the weight of the locomotives and their burden, the number of miles' travel per hour, the number of attendants, width of wheels, etc.

THE USE OF IRON.

This is rapidly increasing, for a great variety of constructions. STORES and PUBLIC BUILDINGS in great numbers are now erected, the entire frame-work being of cast iron. Our city streets are now adorned with many an elegant front of this material, the ornamental work of which could be executed in marble only at an immense cost. A new era too has opened in the construction of BRIDGES, resulting from the use of iron; witness the tubular bridge over the Menai straits, and the great suspension bridge at Niagara. Stone bridges do not exceed 150 feet in span, nor cast-iron 250 feet; but modern science crosses rivers 400 or 500 feet in width without any support in the middle of the stream. Even spans greatly exceeding this may be bridged with safety, up to 1,800 or 2,000 feet, when the structure would fall by its own weight. In the use of iron wire, it is found necessary to regard the fact that great tension combined with vibration rapidly injures the elasticity and cohesion of the wire, without changing its fibrous texture to a crystalline. Yet it is believed that good iron, not overtaxed in this way, will prove one of the most desirable building materials at our disposal. The cables of the Niagara bridge are free from vibration, and ought to last hundreds of years. In SHIP-BUILDING the use of iron has largely increased; witness the Persia and Great Eastern; and many think it is destined almost wholly to supersede wood—especially in vessels of war, in which recent events have roused so intense and universal an interest throughout the world. A complete revolution in naval affairs has taken place, the full extent of which is not yet learned. Wooden ships, when “hearts of oak,” are found utterly unable to sustain a conflict with iron-clad ships, armed with rifled cannon, and cannon of a calibre heretofore unattempted—with solid shot and shells of various kinds, wrought iron shot, steel-pointed bolts, and many other devices for reaching an enemy at a distance, and penetrating or crushing his defences. The boasted navies of the old world were largely superseded by the application of steam to navigation, when a small steam corvette was found more effective than a heavy sailing three-decked man-of-war. More recently even steam-vessels have been in like manner proved of little value, unless their sides were rendered impenetrable to modern artillery. It is still an open question whether any iron-plating that will float can withstand the crushing and boring assaults that may be made upon it; the limits of offensive and defensive power and skill are not yet reached. There is no doubt that a well-directed round shot from the fifteen-inch Rodman guns recently constructed by the United States Government would crush its way through the sides of the Warrior in England, the Gloire in France, or any other iron-clad vessel afloat, unless it be the Monitor.

THE MONITOR.

This famous little vessel, also called ERICSSON'S FLOATING BATTERY, was contracted for, October 5, 1861, to be built by Capt. Ericsson in one hundred days, and tested under fire before its acceptance by government. On the night before March 3, 1862, it reached Hampton Roads, Va., and on the next day fought the memorable battle with the iron-plated Merrimac and several gunboats, which was the first experiment with iron-plated vessels in actual combat. The Merrimac had destroyed the United States ships Cumberland and Congress with all ease, her own armor still invulnerable; but the Monitor stayed her further ravages, and forced her to retreat for repairs. A brief description will be of general interest.

The Monitor has first a flat-bottomed hull of three-eighth inch iron, six and a half feet deep and sharp at both ends; 124 feet long and 34 feet wide at the top. On this rests another flat hull, with perpendicular sides five feet high—composed of an inner guard of iron, a wall of white oak thirty inches thick, and an outer coat of iron armor six inches thick. This upper hull is 174 feet long and over 41 feet wide, thus projecting beyond the lower hull 25 feet at each end and three feet seven inches on the sides. In battle, the lower hull is submerged, and all of the upper hull but some 18 inches. The deck is bomb-proof, and level fore and aft;

nothing appearing above it but the flag-staff, the smoke-stack, the pilot-house and the round tower. The pilot-house is in front of the tower, and is very strong. The tower is twenty feet in diameter and nine feet high. It stands in the center of the deck, is built wholly of iron plates an inch thick, nine of these plates covering each other, and is pierced for two 11-inch Dahlgren guns. The whole tower rests on a solid bed, and can be made to revolve at pleasure, directing the guns at any point of the compass, whatever the position of the deck. The whole vessel seems almost absolutely invulnerable, and its brilliant success has won admiration of the world.

Meanwhile it is also proposed to build STEAM-RAMS, of immense size and great speed, capable of running down with ease any ordinary vessel of war, and of damaging in the side of the most powerful armor-clad antagonist by the stroke of sharp and strong beak.

THE PNEUMATIC DISPATCH COMPANY in London finding their system of tubes for sending small parcels over town by atmospheric pressure—to work well, have decided to enlarge their tubes to a height of two feet nine inches, and a width of two feet six inches, and a semi-circular top. The tube is made of cast iron segments 19 feet long, fitted into each other with a common socket joint packed with lead. The trucks run on ledges in each lower corner of the tube, an inch high and two inches wide. They have four flanged wheels 20 inches in diameter and are made of a frame seven or eight feet long enclosed in sheet iron. Lig India-rubber flanges are applied at each end of the truck; but even these do not fit the tube tightly. Yet the slight windage that is left does not interfere with the speed of transit. A fourth of a mile of the tube was laid down, with various curves and gradients, as an experiment; and through this a ton of cement in bags was sent in a carriage in fifty seconds, then two tons in eighty seconds, and then a ton and a living dog. Afterwards two gentlemen took their places in the carriage lying on their backs upon mattresses, and were passed through with equal celerity without inconvenience. The speed of 25 to 50 miles per hour may be obtained with this mode of conveyance.

PHOTOGRAPHY.—On the Chicago and Milwaukee railroad, when a person applies for a commutation or season ticket, he encloses his photograph, taken on a specially gummed label, and this is affixed to the ticket he receives. The conductor is thus enabled to see at a glance whether the bearer of a pass is its true owner or not.

In the famous Mettray colony in France for young convicts, every urchin has his photograph taken on his arrival, and again when discharged. The first shows the rags, dirt, and degradation—the careworn, timid, crafty, and defiant look of the young thief; the second shows the same boy transformed by good training into a healthy, clean, contented, energetic, and honest.

Many new modes and applications of the photographic art are invented. There is in Munich a Photographic Atlas of the Nervous System of the Human Frame in the course of publication. Photographs are transferred by a new process to wood to be engraved for printing. A process has also been discovered for producing photographic and other pictures on glass in enamel colors.

STEAM FARMING.—Small locomotives, mounted on four wheels, travel from village to village in England, with attendant threshing machines, performing the whole work of threshing, winnowing, and cleaning at less than half the cost of hand labor. It is hoped that ploughing may yet be profitably done by steam; but at a twelve-day trial with steam-ploughs at Leeds, England, the results were unsatisfactory. Two only of the engines passed over the ground; the others were stationary, and drew the ploughs by long ropes. The fastest work was about three acres in four hours, and the cost ranged from \$1 38 to \$2 10 per acre. The engines cost from \$2,500 to \$4,000 each.

PETROLEUM OR ROCK OIL.—There are various forms of bitumen, some solid, and others fluid at ordinary temperatures, and sometimes very volatile. For many years bitumen in the solid form has been used for paying the bottoms of ships, for pavements, and for gas-making; but in the liquid form of petroleum it is used mainly for medicinal purposes. Its use for lubricating purposes has of late much increased, and the discovery of numerous and copious oil springs in Pennsylvania, Ohio, Virginia, Canada, etc., has given a surprising impulse to its use for a great variety of purposes. As yet, American refiners have manufactured kerosene, burning fluid, lubricating oil, and paraffine; but English manufacturers have derived from these other and more valuable secondary products. The precise mode by which petroleum is evolved from the carbonaceous matters contained in the rocks that furnish it, is not yet fully known, but is probably distillation at a high temperature. It is found at various depths in the rocks, and is evidently the accumulation of ages. The quantity *daily* drawn from wells in Pennsylvania and Ohio two years ago, was estimated at over 500 barrels. In January, 1862, 30,000 barrels passed over a single railroad—the Erie and Philadelphia. The collecting, transporting, manufacturing, and vending this have created a business of great magnitude with unprecedented rapidity.

BIRDS—DO NOT KILL THEM.—In 1861, the harvests in France were unusually poor, and a government commission to investigate the causes of the failure made an elaborate inquiry into the whole matter with the aid of eminent naturalists. The chief cause was found in the ravages of certain insects, whose habits were carefully studied, and those of the birds that feed upon them. One insect lays 100 eggs; but a single tomtit devours 200,000 eggs in a year. A swallow devours over 500 insects in a day, eggs and all. A sparrow's nest in Paris, where other birds are found in abundance, was found to contain 700 pairs of the upper wings of cockchafer. The value of the wheat destroyed by insects in one department of France was fixed at four millions of francs, while vines, olives, and even forest-trees were suffering severely. Birds alone could keep down this excess of insect life, and yet some 80 millions of birds' eggs, it was estimated, were destroyed every year in all France. The report quotes as both true and striking the saying of some philosopher, "The bird can live without man, but man cannot live without the bird."

WIDE DISTRIBUTION OF GOLD.—Mr. Eckfeldt, assayer of the United States Mint at Philadelphia, reports the results of several examinations, which show that gold in minute quantities is very widely diffused. Underneath the city of Philadelphia is a bed of clay perhaps three miles square and fifteen feet deep. A portion of this was taken from a depth of fourteen feet, and duly assayed. It yielded one-fiftieth of a milligramme of gold in one hundred and thirty grammes of clay—or about three cents' worth of gold in each cubic foot. At this rate, the bed of clay is calculated to contain \$126,000,000 worth of gold; and all the clay within the corporate limits of that city contains more gold than has yet been brought from California and Australia. In this latter country, as in all other parts of the globe, experience proves that the gold-bearing veins are usually rich only near the surface of the earth. They decrease in richness rapidly as they increase in depth.

POISON FOR NOXIOUS ANIMALS.—So many deaths have occurred from the use of arsenic and phosphorus for this purpose, that a French chemist was employed to devise a substitute safer and as efficacious. He recommends a mixture consisting of tallow 17 parts, tartar emetic 3 parts, and euphorbium 1 part. The poison here is easily detected by chemical analysis, and is not in the form of bisulphide, pills, or powder; while the mixture is distasteful to man and not to animals, and would produce vomiting in man if accidentally swallowed, but not in rats, mice, or moles.

ANNIVERSARIES AND OFFICERS OF CHARITABLE SOCIETIES, ETC.

BOSTON.—AM. BOARD FOR FOR. MISSIONS, 1st Tues. in Oct.; Rev. Rufus Anderson, I. Rev. Selah B. Treat, Sec's; J. M. Gordon, Treas., Miss.-house, 33 Pemberton-square; Rev. W. Wood, Sec., A. Merwin, Agent in New York, Bible-house. AM. BAP. MISS. UNION, 4th in May; Rev. Jos. G. Warren, D. D., Sec., 33 Somerset-st. AM. EDU. Soc., in May; Rev. Tarbox, Sec.; S. T. Farwell, Treas., 15 Cornhill. AM. TRACT Soc. (national) N. E. BR. G. Punchard, Sec., N. P. Kemp, Treas., 40 Cornhill. AM. TRACT Soc. AT BOSTON, last Wed. in May; Rev. J. W. Alvord, Rev. J. P. Warren, Sec's; Henry Hill, Treas., 23 Cornhill. N. HOME MISS. Soc., Rev. H. B. Hooker, D. D., Sec., Cong'l Lib. MASS. S.-S. Soc., Rev. Alford, Sec., M. H. Sargent, Treas., 13 Cornhill. AM. S.-S. UNION, H. D. Noyes, Agt., 117 Cornhill-st.

NEW YORK.—AM. BIBLE Soc., 2d Thurs. in May; Rev. John C. Brigham, D. D., Rev. Holdrich, D. D., Rev. W. J. R. Taylor, Sec's; Caleb T. Rowe, Esq., Gen. Agt., Henry Fisher, Assist. Treas., Bible-house, Astor-place. AM. AND FOR. BIB. Soc., Rev. D. C. Haynes, Cor. Geo. Gault, Treas., U. D. Ward, Dep. Agt., 115 Nassau-st. AM. BIBLE UNION, Wm. H. Wyer, LL. D., Cor. Sec., Rev. C. A. Buckbee, Assist. Treas., 350 Broome-st. AM. TRACT Soc., Wed. 2d Thurs. in May; Rev. Wm. A. Hallock, D. D., Rev. O. Eastman, Rev. J. M. Stevens, D. D., Cor. Sec's; O. R. Kingsbury, Assist. Sec. and Treas., 150 Nassau-st. AM. HOME MISS. Wed. preced. 2d Thurs. in May; Rev. Milton Badger, D. D., Rev. David B. Coe, D. D., Rev. D. P. Noyes, Sec's; C. R. Robert, Treas., Benj. G. Talbert, Assist. Treas., Bible-house, Astor-pl. AM. BAP. HOME MISS. Soc., Rev. Benj. M. Hill, D. D., Sec., 115 Nassau-st. BOARD OF FOR. OF PRES. CHURCH, Hon. Walter Lowrie, Rev. John C. Lowrie, D. D., Cor. Sec's; Wm. Ramsay, Jr., Treas., 23 Centre-st. AM. AND FOR. CHRIS. UNION, Tues. preced. 2d Thurs. in May; Robert Baird, D. D., Cor. Sec., Rev. A. E. Campbell, D. D., Finan. Sec., 156 Chambers-st. SEAMEN'S FRIEND Soc., Mond. preced. 2d Thurs. in May; Rev. H. Loomis, Rev. S. B. S. Bible Sec's; S. Brown, Assist. Treas., 60 Wall-st. AM. TEMP. UNION, 2d Thurs. in May, evening; J. Marsh, D. D., Cor. Sec., No. 10 Park bank. PROT. EPIS. CHURCH MISS.—Domestic Com., R. B. Van Kleeck, D. D., Sec. and Gen. Agt., 17 Bible-house; For. Com., Rev. S. D. Denison, Sec., No. 19 Bible-house. EVAN. KNOWL. Soc., Rev. H. Dyer, D. D., 11 Bible-house. MET. Book Concern, T. Carlton, D. D., and J. Porter, D. D., Agents, 200 Mulberry; Mission. Soc. P. Durbin, D. D., Cor. Sec., T. Carlton, D. D., Treas., 200 Mulberry-st.; S. S. Union, D. V. D. D., Cor. Sec.; Tract Soc. M. E. Ch., T. Carlton, D. D., Treas.; D. Wise, D. D., Cor., 200 Mulberry-st. REF. DUTCH—Dom. Mission, Rev. A. Du Bois, Cor. Sec.; Board of Pub., Ferris, Agent, 103 Fulton-st., Jno. I. Brower, Treas.; Foreign Mission, Rev. Philip Peltz, Sec., 103 Fulton-st.; J. W. Baker, 237 Broadway, Treas. Soc. FOR COLL. AND THEOL. EDUC. WEST, Rev. T. Baldwin, Sec., 80 Wall-st. AM. MISS. ASSO., Rev. George Whipple, and Rev. Jocelyn, Sec's; L. Tappan, Treas., 61 John-st. AM. AND FOR. ANTI-SLAV. Soc., L. Tappan, Sec., 61 John-st. N. Y. STATE COLON. Soc., Rev. J. B. Pinney, LL. D., Cor. Sec., 27 Bible-house, Astor-place. N. Y. S.-S. UNION, R. G. Pardee, Agt., 599 Broadway; and AM. S.-S. UNION, J. H. Burtis, Sec., G. S. Scofield, Agent, 599 Broadway. NEW YORK SAB. COM., Rev. I. Cook, 21 Bible-house.

PHILADELPHIA.—PENN. BRANCH AM. TRACT Soc., 929 Chestnut-st., H. N. Thibault, Agt. and Supt. Colp. AM. S.-S. UNION, F. A. Packard, Esq., Rec. Sec., 1122 Chestnut-st. ASSEM. BOARDS—Domestic Missions, 910 Arch-st., T. L. Janeway, D. D., Cor. Sec.; S. D. Peck, Esq., Treas. Board of Education, 821 Chestnut-st., Wm. Chester, D. D., Cor. Sec.; Rev. Watts, Asst. Sec.; Rev. F. D. Ladd, Cor. Sec.; William Main, Treas. Board of Publication, 821 Chestnut-st., Wm. E. Schenck, D. D., Cor. Sec.; Rev. W. M. Engles, D. D., Editor; V. throp Sargent, Publish. Agt.; Jas. Dunlap, Esq., Treas. AM. BAP. PUBLICA. Soc., 530 Arch-st. Rev. B. Griffiths, Sec., Rev. J. N. Brown, Ed. Sec., Jas. S. Dickinson, Dep. Agt. and A. Treas. PENN. BIBLE Soc., 701 Walnut-st., Jos. H. Dulles, Sec. PHILA. EDU. Soc., 3d 1 day in March; Chas. Brown, Sec.; Wm. Purves, Treas., 1334 Chestnut-st. PHILA. HOME N. Soc., 4th Tues. in April; Rev. Robert Adair, Sec., H. Perkins, Treas., 1334 Chestnut-st. I. BOARD OF PUB., first Mon. each month, 42 North ninth-st. PRES. PUB. COM., 1364 Chestnut-st. Rev. John W. Dulles, Sec.; William Purves, Treas.

PHILA. YORK, PA.—GEN. SYNOD OF LUTH. CHURCH. IN UNITED STATES, 1st Thurs. in May, I. General Lutheran Societies at the same time and place: PARENT EDU. Soc., HOME MISS. Soc., CHURCH EXTENSION, HISTORICAL, and PUBLICATION SOCIETIES.

WASHINGTON.—AMERICAN COLONIZATION SOCIETY, 3d Tues. in Jan.; Rev. R. R. Gurley, Sec.; Rev. Wm. McLain, Fin. Sec.

RICHMOND.—SOU. BAP. CONV.—For. Miss. Board, Rev. J. B. Taylor, Rev. A. M. Poinde, Sec's; Dom. Miss. Board, Rev. J. Walker, Sec.; Bible Board, W. C. Buck, Sec., Nashville.

CHARLESTON.—SOUTHERN BAPTIST PUBLICATION Soc. Rev. I. P. Tustin, Sec.

MINISTERS' MEETINGS.—GEN. CONFERENCE IN MAINE, 3d Tues. in June. GEN. A. NEW HAMPSHIRE, 4th Tues. in Aug. GEN. CONVEN. IN VERMONT, 3d Tues. in June. GEN. SOCIA., MASS., 4th Tues. in June. EVAN. CONSO., R. I., 2d Tues. in June. GEN. ASSO., CONN. Tues. in June. GEN. ASSO., N. Y., 3d Tues. in Sept. GEN. CONVEN. PROT. EPIS. CH., 1st V. in Oct. GEN. ASSEMBLY PRES. CHURCH, 3d Thurs. in May. GEN. CONF. M. E. CH. May every 4th year from 1860. GEN. SYNOD REF. DUTCH CHURCH, on the 1st Wed. in J. GEN. SYNOD EVANG. LUTHERAN CHURCH, biennially in May of even years.

YEARLY MEETINGS OF FRIENDS.—NEW ENG., Newport, R. I. Second day after 2d S. day in Sixth mo. NEW YORK, Sixth day after 4th First day in Fifth mo. PHIL., third Second day in Fourth mo. BALTI., last Second day but one in Tenth mo. NORTH CAROLINA, New Gar. Guilford Co., Second day after first First day in Eleventh mo. OHIO, Mt. Pleasant, Second day, first First day in Ninth mo. INDIANA, Whitewater, on Fifth day preced. first First day in Tenth month.

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"	2	0	1	0	0	12	0	"	70	0	35
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ARTIFICIAL HOOFs may be made of gutta percha, the only known substance which will retain the nails of the shoe; unite perfectly with the hoof; soften by heat, to be moulded to the right form; and remain insoluble by water. To prepare it, cut it into fragments of the size of a walnut, soften these in hot water, mix them with half their weight of powdered sal-ammoniac, and melt them in a tin saucepan over a gentle fire, stirring the mixture well. It should assume a chocolate color. When it is to be used, melt it in a glue-pot, scrape clean the surface of the hoof, and apply the gutta percha, smoothing and polishing with a glazier's knife warmed. This process would relieve much suffering, and save many a useful horse.

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MEMORANDA FOR 1863.

JAN 1, Circum.; 4, 2d S. aft. Christmas; 6, Epiph.; 11, 1st S. aft. Epiph.; 18, 2d S. aft. Epiph.; 25, 3d S. aft. Epiph., and Conv. of St. Paul. FEB. 1, Septuagesima; 2, Purif. of Vir. Mary; 8, Sexagesima; 15, Quinquagesima; 18, Ash-Wednesday; 22, 1st S. in Lent; 24, St. Matthias. MARCH 1, 2d S. in Lent; 8, 3d S. in Lent; 15, 4th S. in Lent; 22, 5th S. in Lent; 25, Annun. of Vir. Mary; 29, S. before Easter; 30, Mon. bef. Easter; 31, Tues. bef. Easter. APRIL 1, Wed. bef. Easter; 2, Thurs. bef. Easter; 3, Good-Friday; 4, Easter-Even; 5, Easter-Day; 6, Mon. in Easter week; 7, Tues. in Easter week; 12, 1st S. aft. Easter; 19, 2d S. aft. Easter; 25, St. Mark; 26, 3d S. aft. Easter. MAY 1, Sts. Philip and James; 3, 4th S. aft. Easter; 10, 5th S. aft. Easter; 14, Ascension; 17, S. aft. Ascen.; 24, Whit-Sunday; 25, Mon. in Whitsun-week; 26, Tues. in Whitsun-wk.; 31, Trinity-Sunday. JUNE 1, 1st S. aft. Trin.; 11, St. Barnabas; 14, 2d S. aft. Trin.; 21, 3d S. aft. Trin.; 24, Nativ. St. John Baptist; 28, 4th S. aft. Trin.; 29, St. Peter. JULY 5, 5th S. aft. Trin.; 12, 6th S. aft. Trin.; 19, 7th S. aft. Trin.; 25, St. James; 26, 8th S. aft. Trin. AUG. 2, 9th S. aft. Trin.; 9, 10th S. aft. Trin.; 16, 11th S. aft. Trin.; 23, 12th S. aft. Trin.; 24, St. Bartholomew; 30, 13th S. aft. Trin. SEPT. 6, 14th S. aft. Trin.; 13, 15th S. aft. Trin.; 20, 16th S. aft. Trin.; 21, St. Matthew; 27, 17th S. aft. Trin.; 29, St. Michael and All-Angels. OCT. 4, 18th S. aft. Trin.; 11, 19th S. aft. Trin.; 18, 20th S. aft. Trin., and St. Luke; 25, 21st S. aft. Trin.; 28, Sts. Simon and Jude. NOV. 1, 22d S. aft. Trin., and All-Saints; 8, 23d S. aft. Trin.; 15, 24th S. aft. Trin.; 22, 25th S. aft. Trin.; 29, 1st S. in Advent; 30, St. Andrew. DEC. 6, 2d S. in Advent; 13, 3d S. in Advent; 20, 4th S. in Advent; 21, St. Thomas; 25, Christmas-Day; 26, St. Stephen; 27, 1st S. aft. Christmas, and St. John Evan.; 28, Holy Innocents.

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